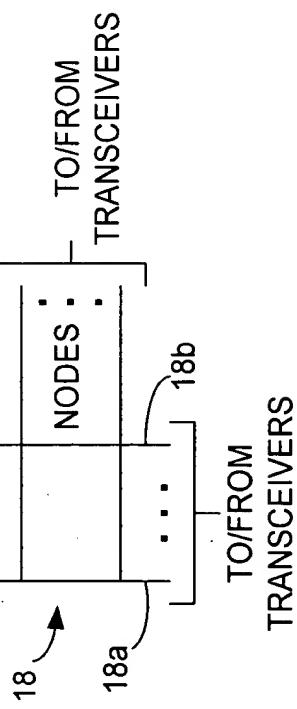


FIG. 1A



14

MONITORING SYSTEM
(SECOND EMBODIMENT)

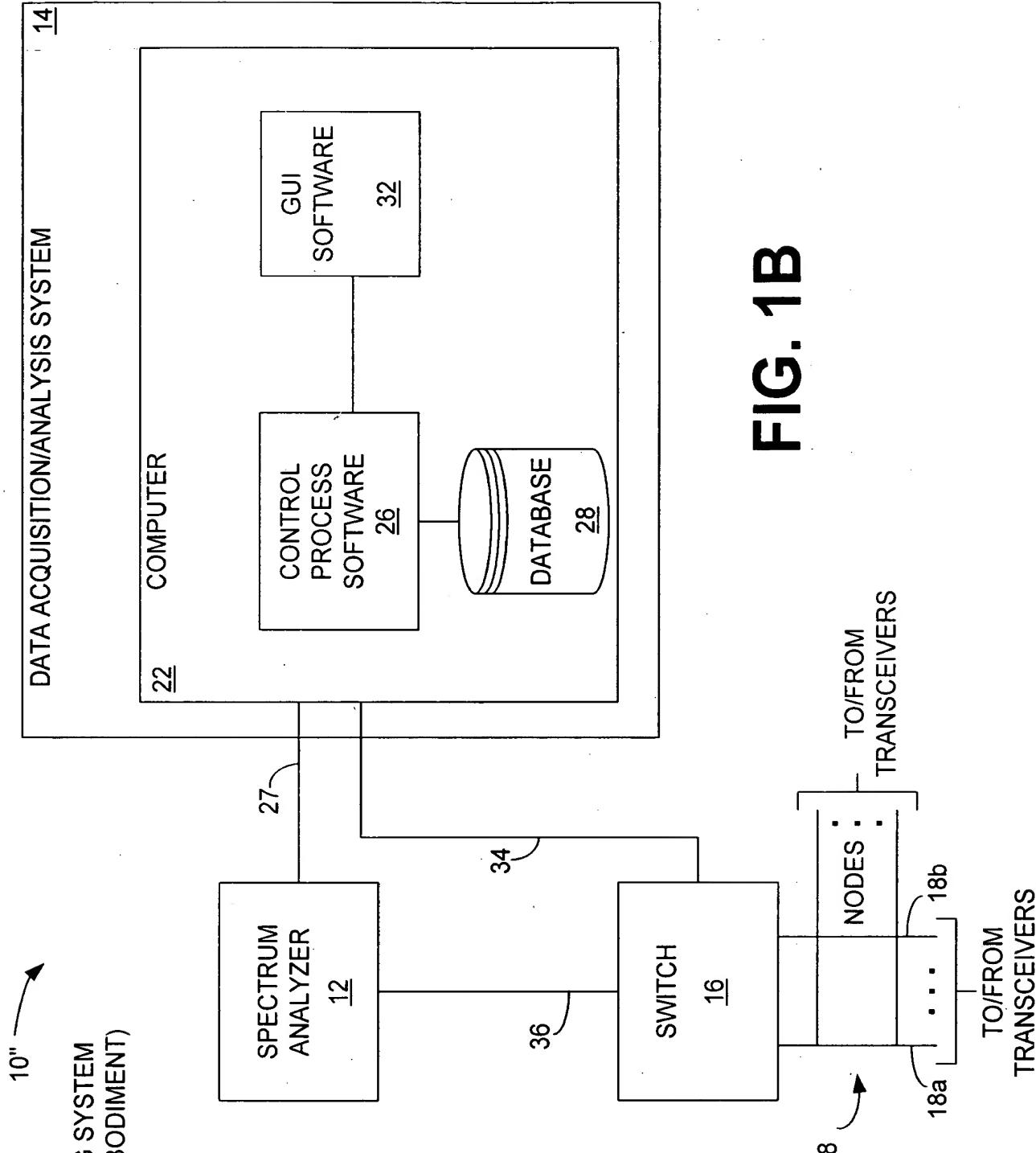
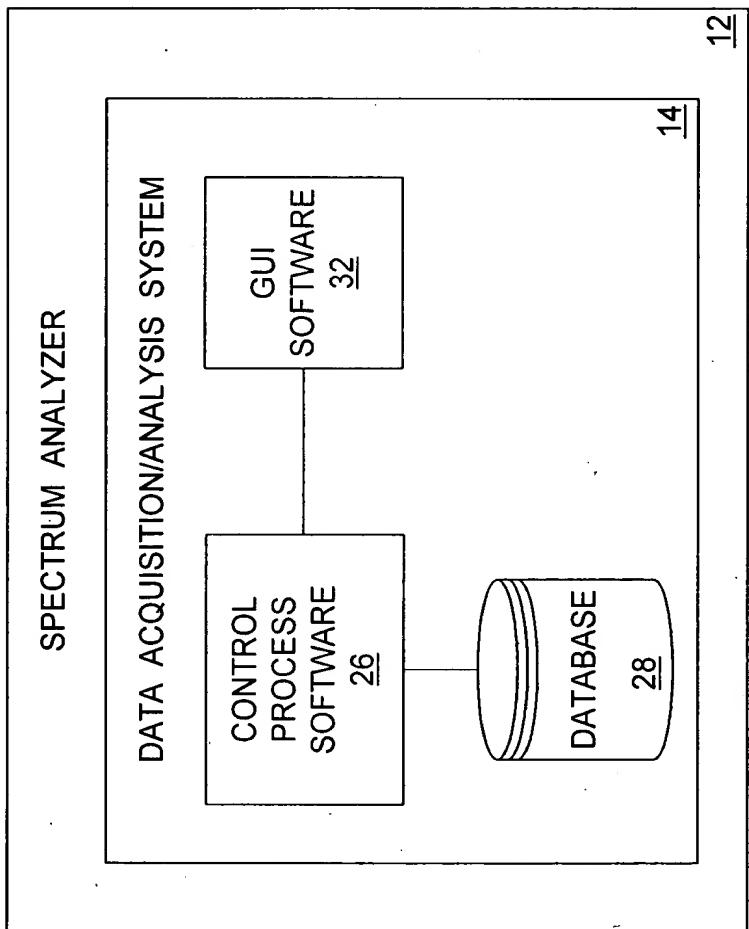


FIG. 1B



MONITORING SYSTEM
(THIRD EMBODIMENT)

10"

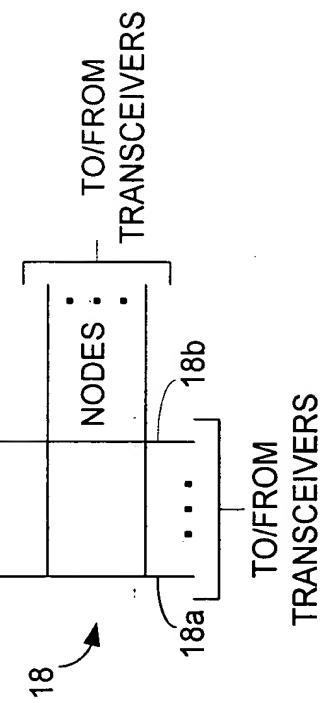
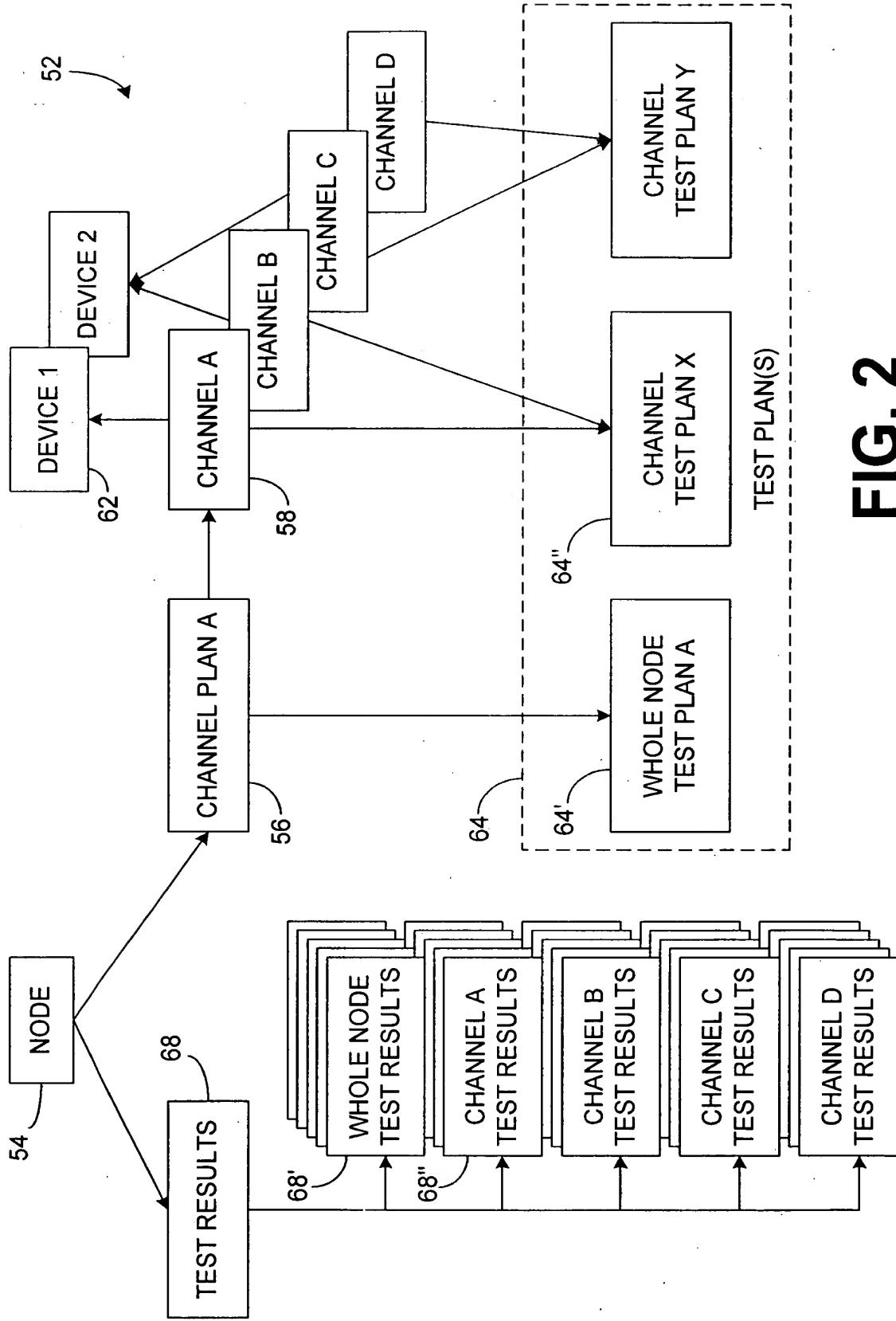


FIG. 1C

DATA STRUCTURE OF DATABASE

**FIG. 2**

CHANNEL PLAN

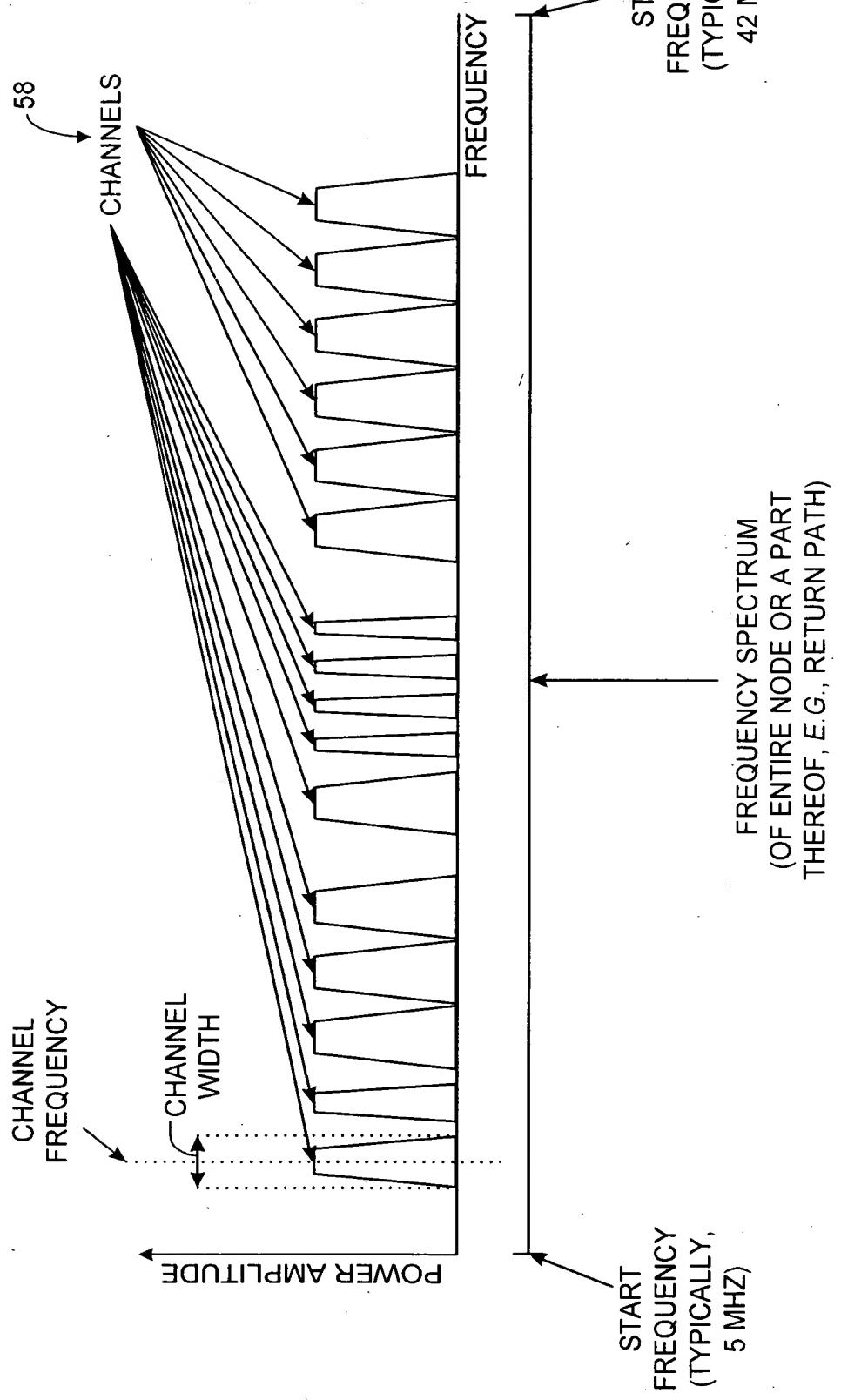
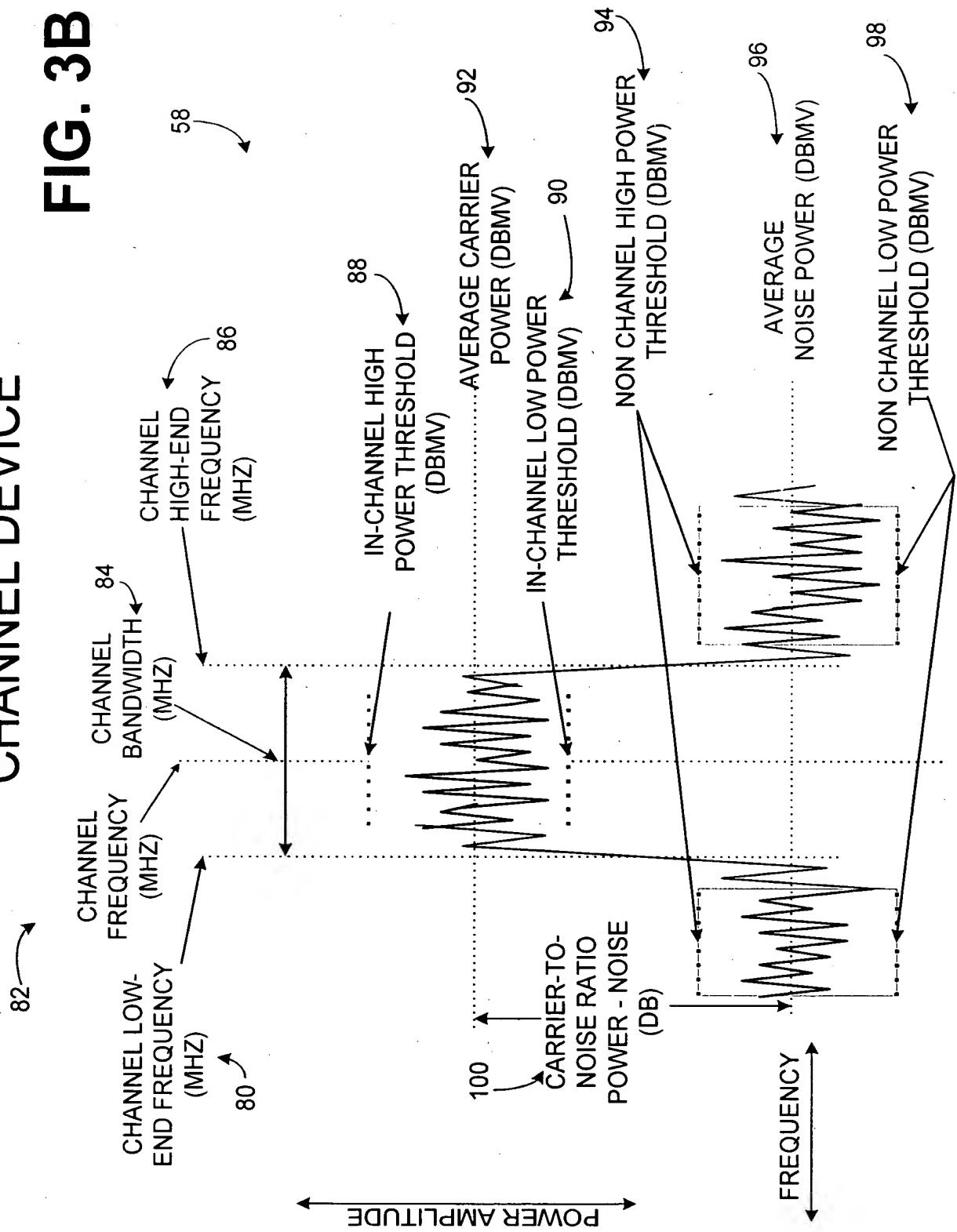


FIG. 3A

CHANNEL DEVICE

FIG. 3B



TEST PLAN

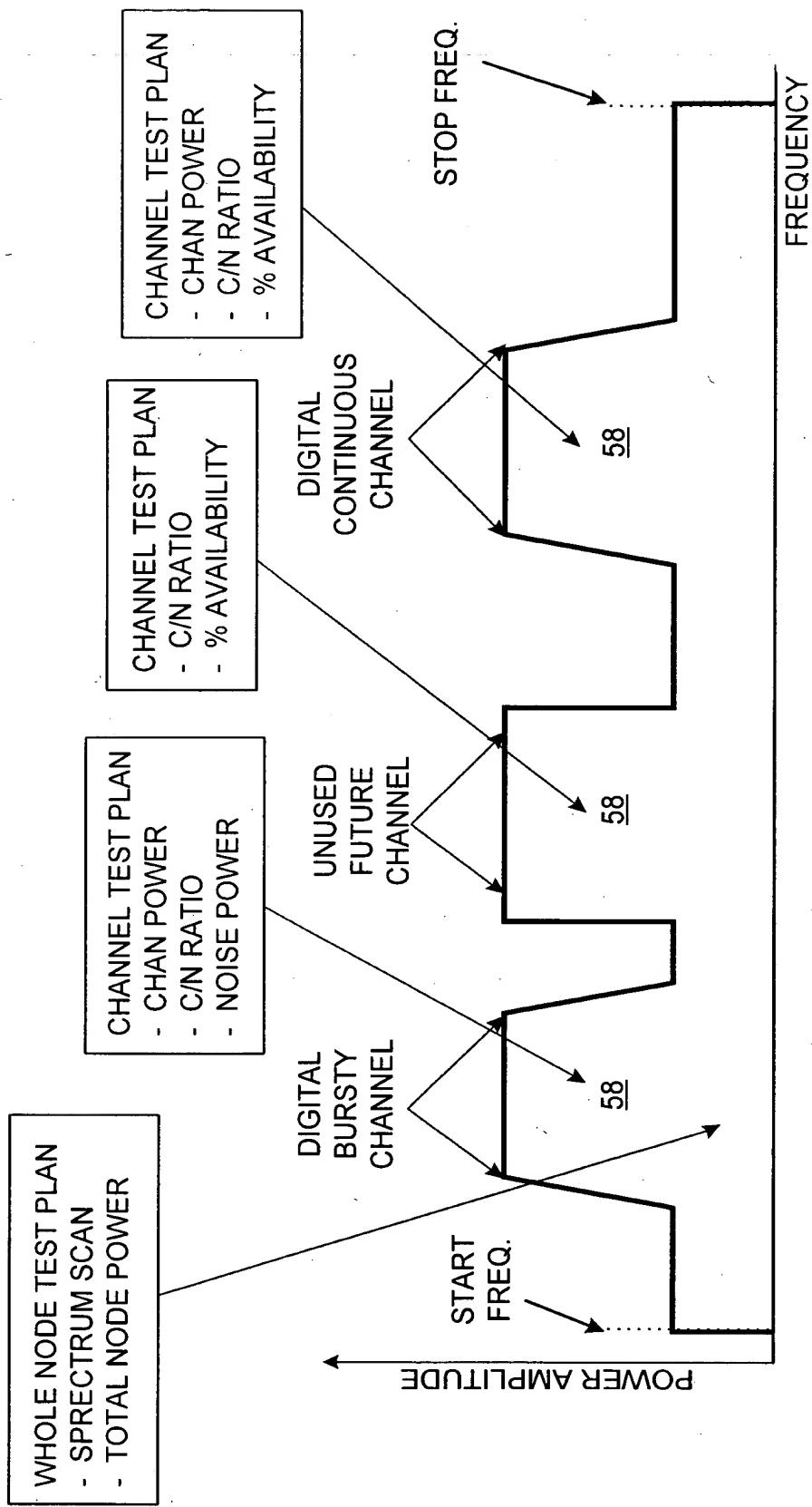
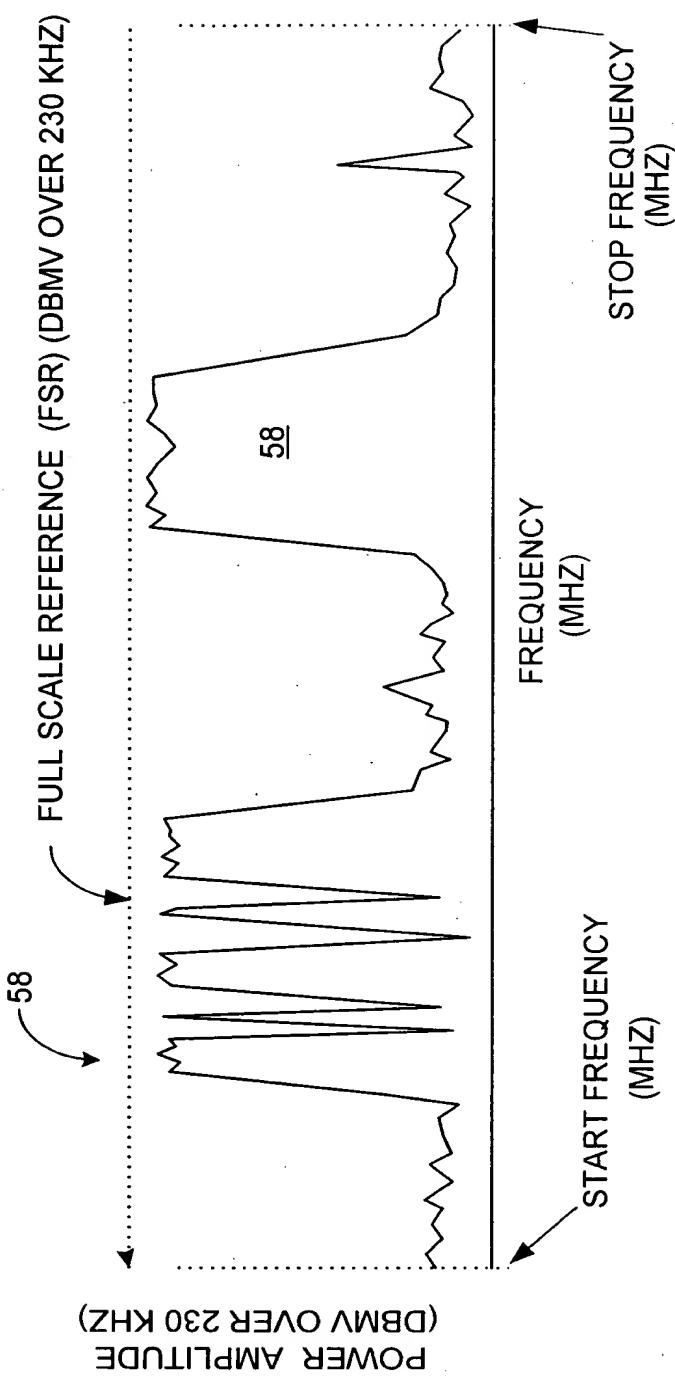


FIG. 3C

FIG. 3D

**SPECTRUM SCAN TEST
(WHOLE NODE)**

64a



64a

SPECTRUM SCAN TEST (ALARM LIMITS)

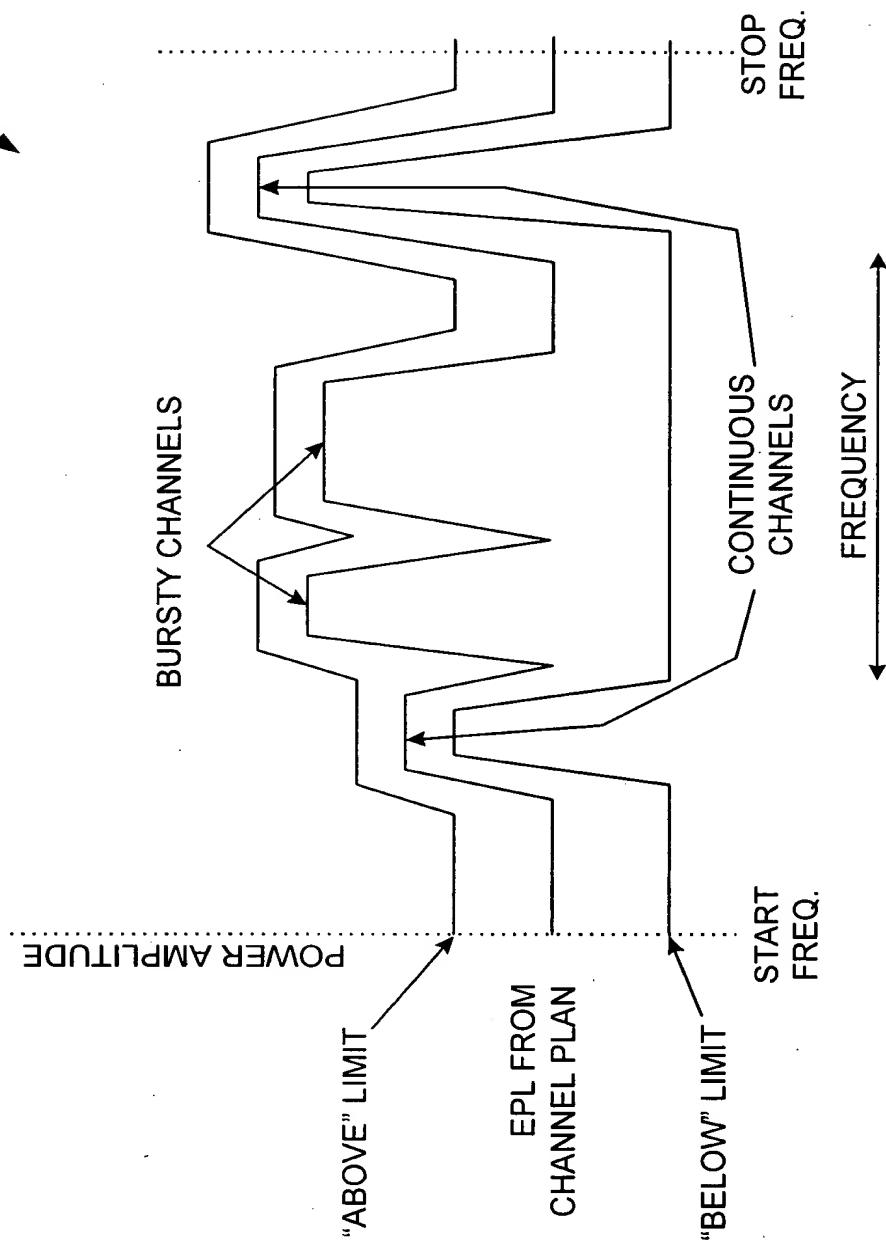


FIG. 3E

TOTAL NODE POWER TEST
(WHOLE NODE)

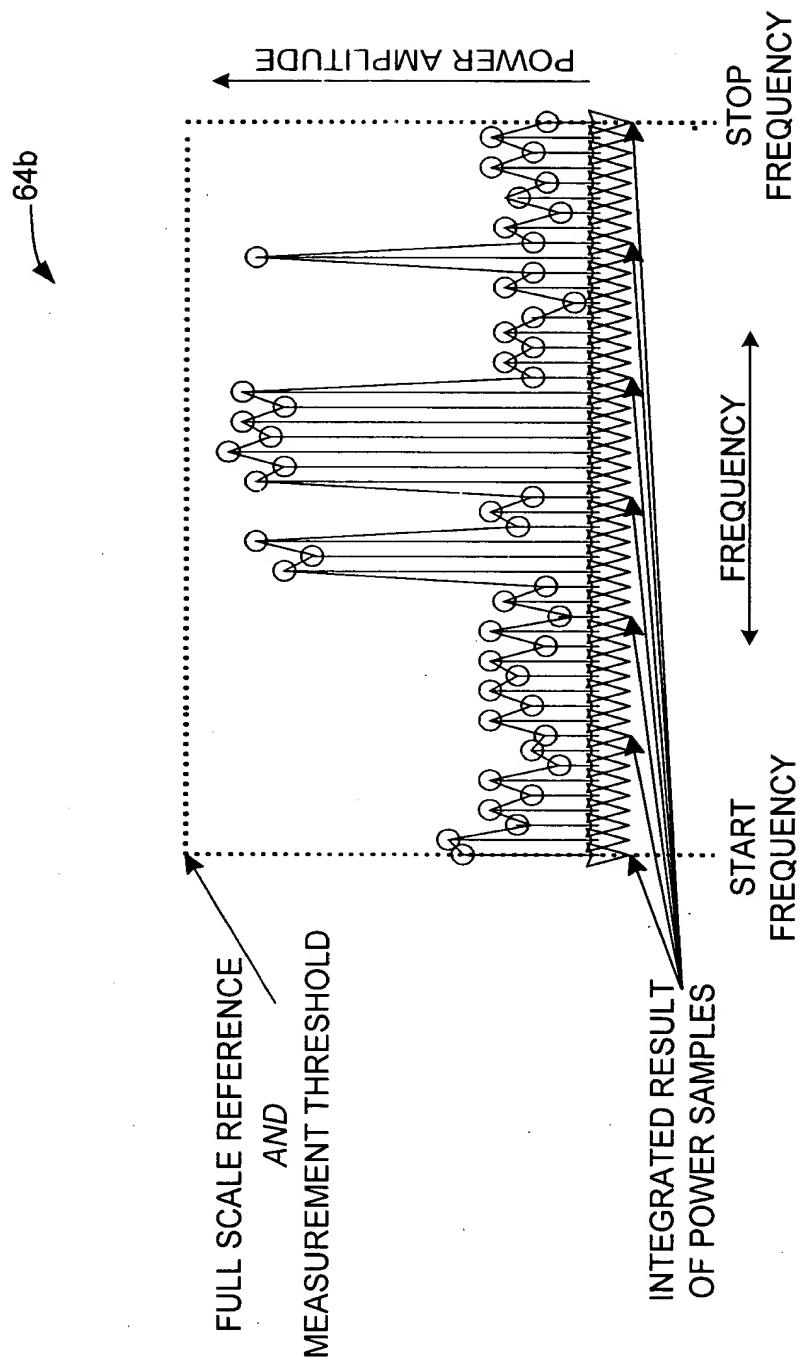


FIG. 3F

AVERAGE NOISE POWER TEST (CHANNEL)

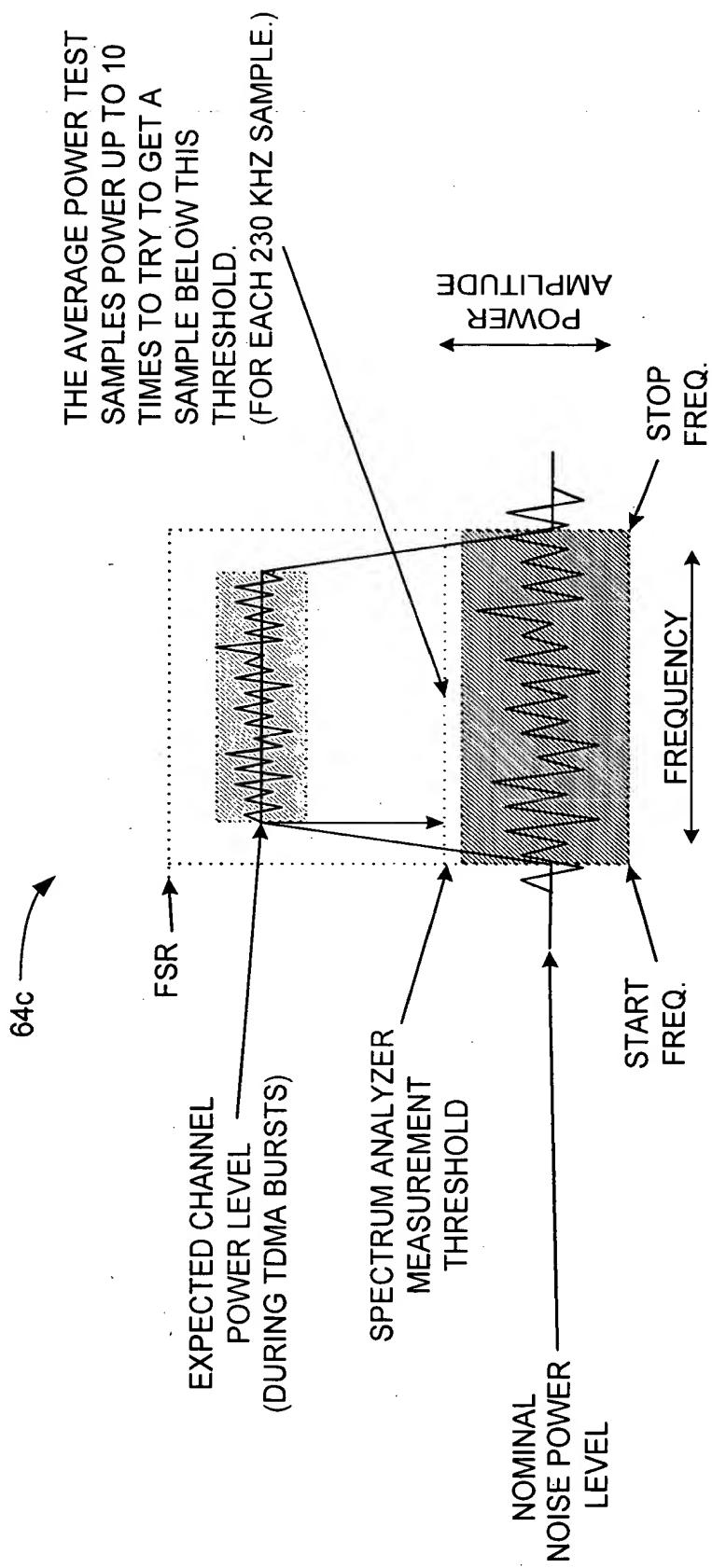


FIG. 3G

AVERAGE NOISE POWER TEST (ALARM LIMITS)

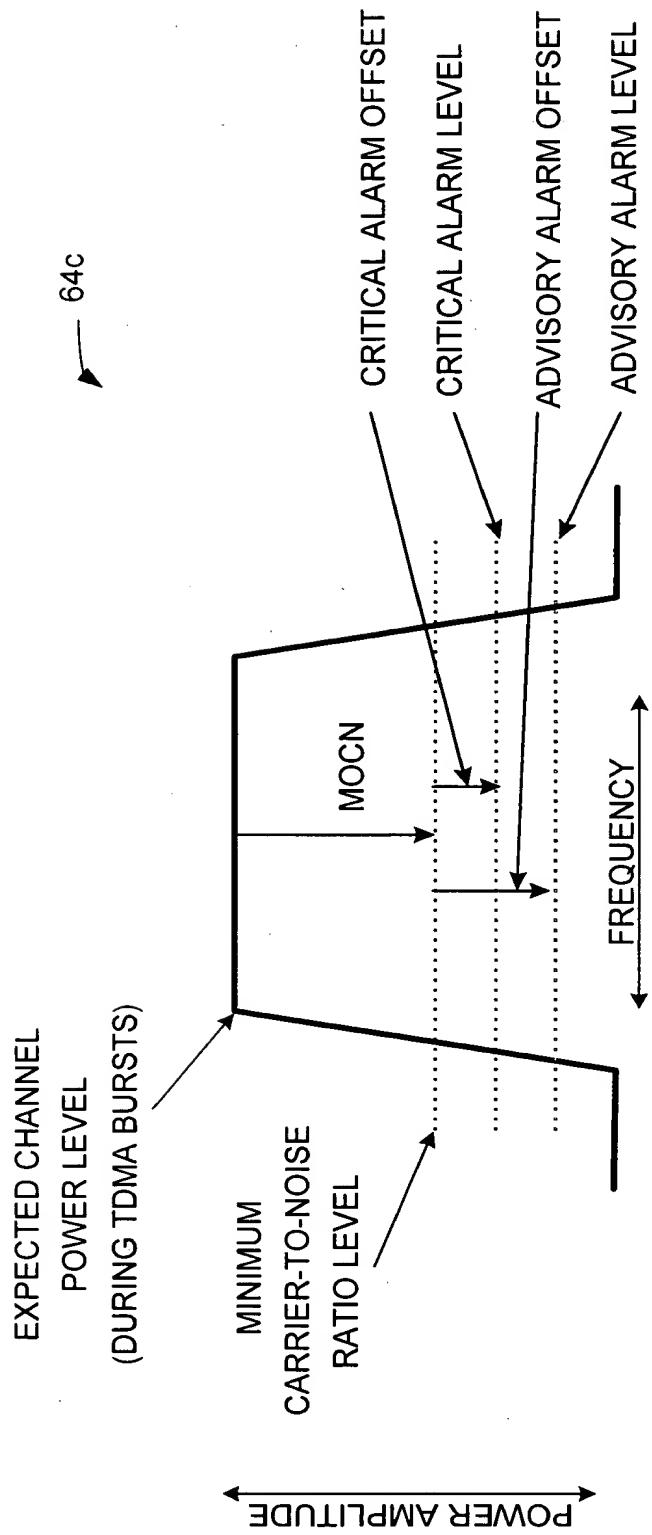


FIG. 3H

CHANNEL POWER TEST (CHANNEL)

64d

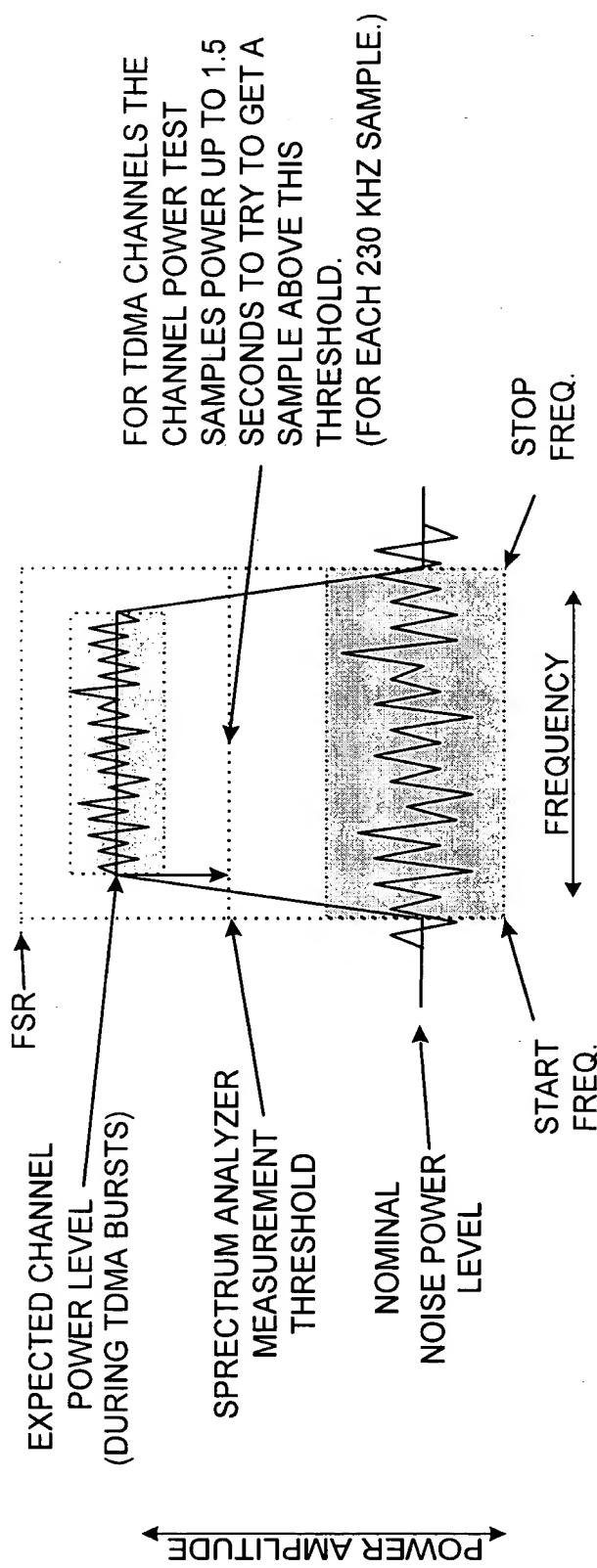


FIG. 31

CHANNEL POWER TEST
(ALARM LIMITS)

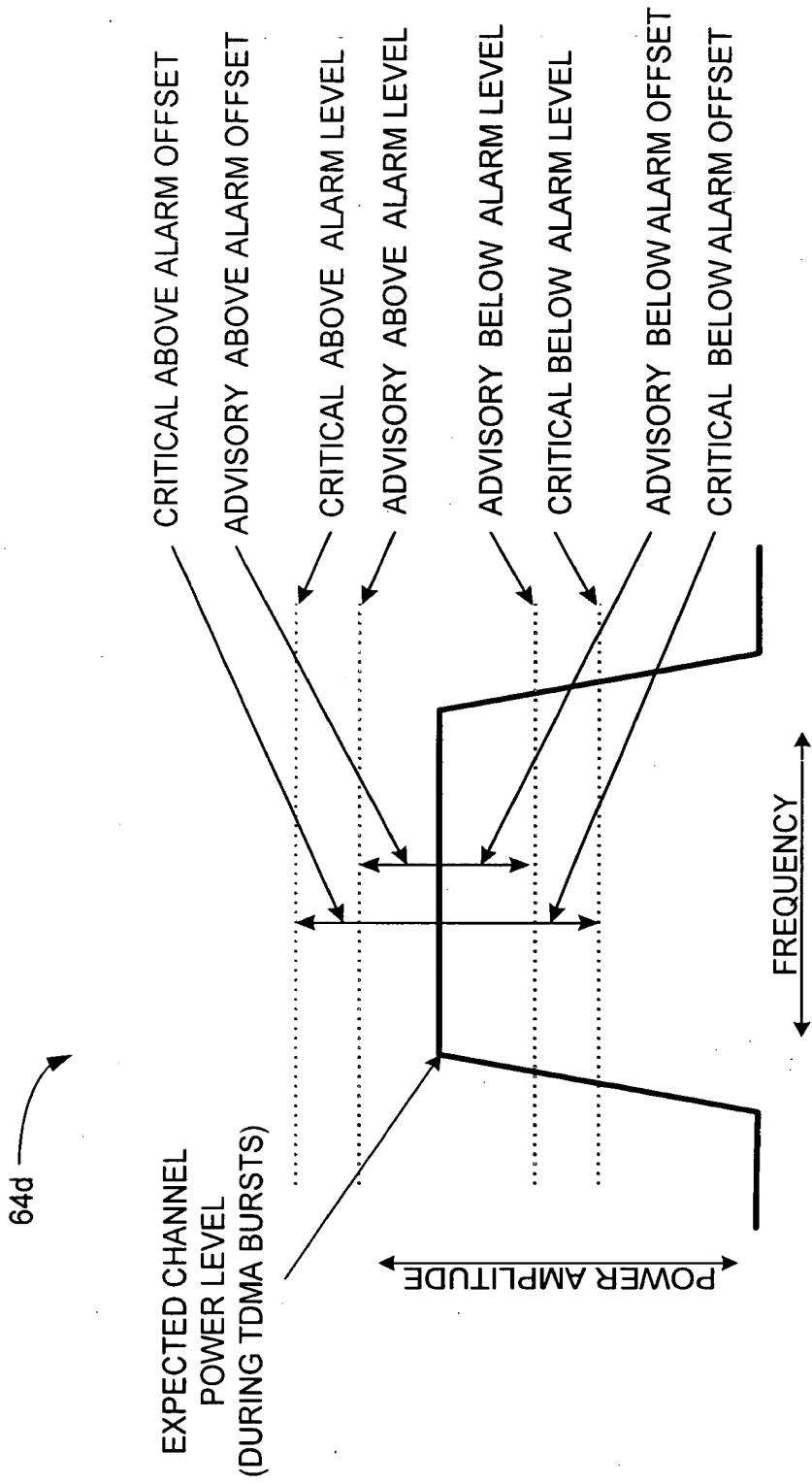


FIG. 3J

CHANNEL POWER TEST (TDMA BURSTS)

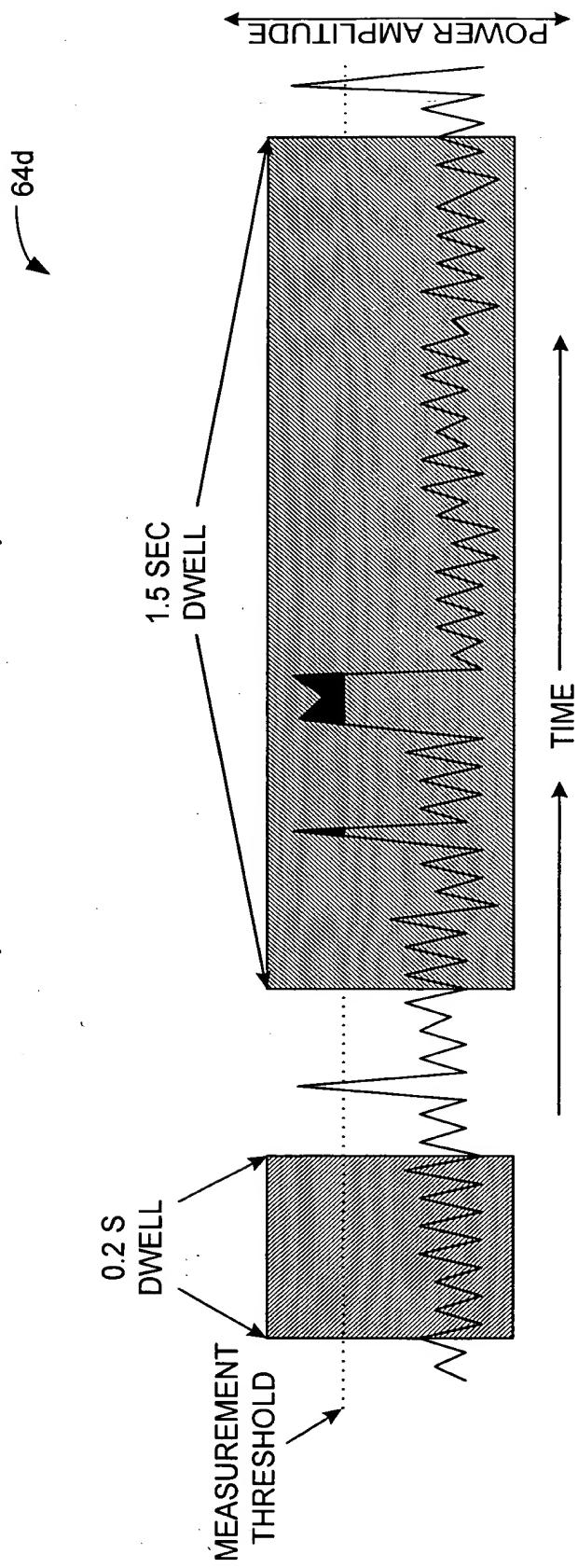


FIG. 3K

CONFIDENTIAL
C/N TEST
(CHANNEL)

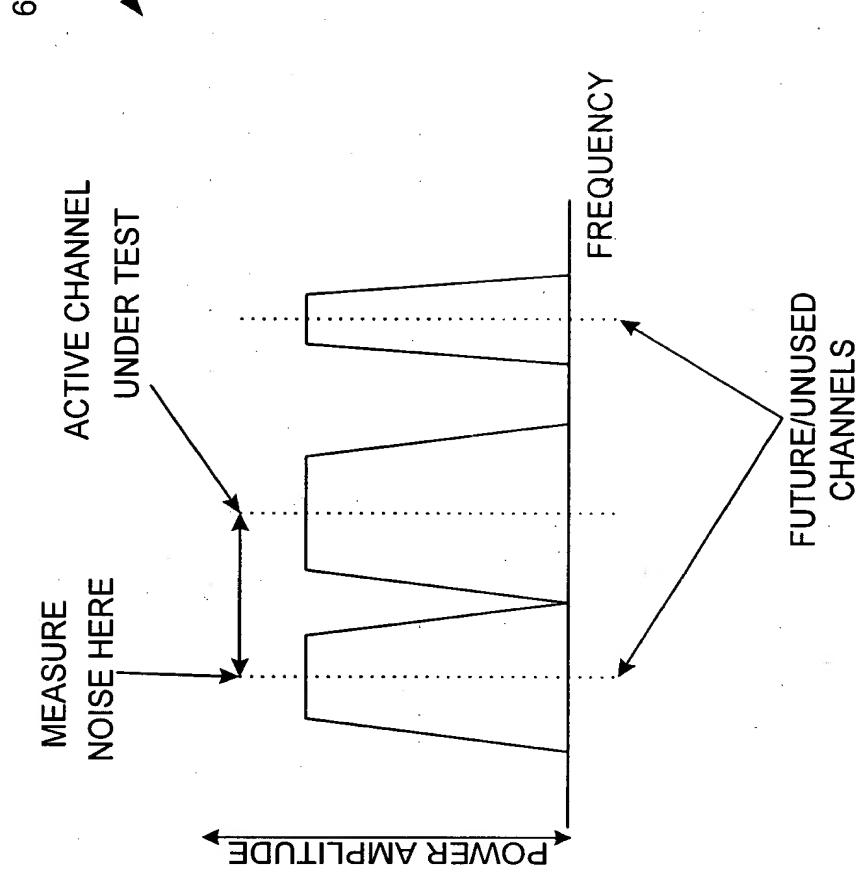


FIG. 3L

BURST COUNTER TEST (CHANNEL)

64f

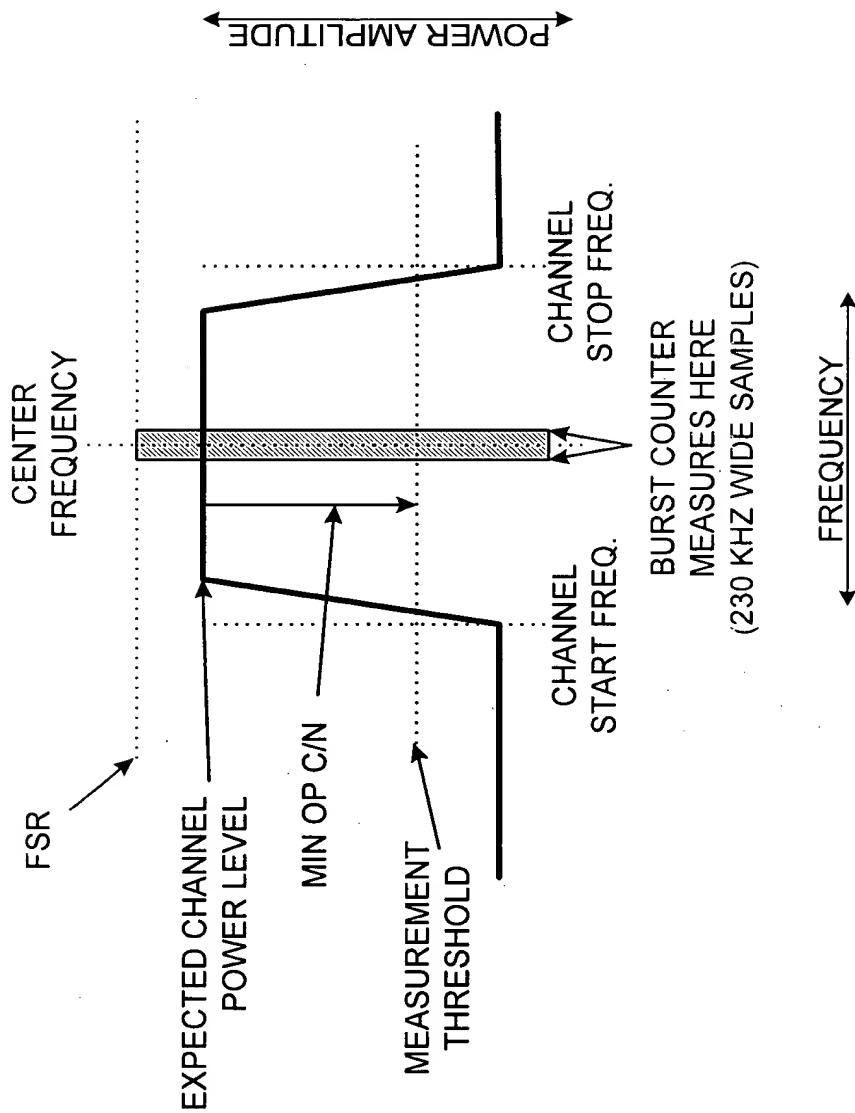


FIG. 3M

PERCENT AVAILABILITY TEST (CHANNEL)

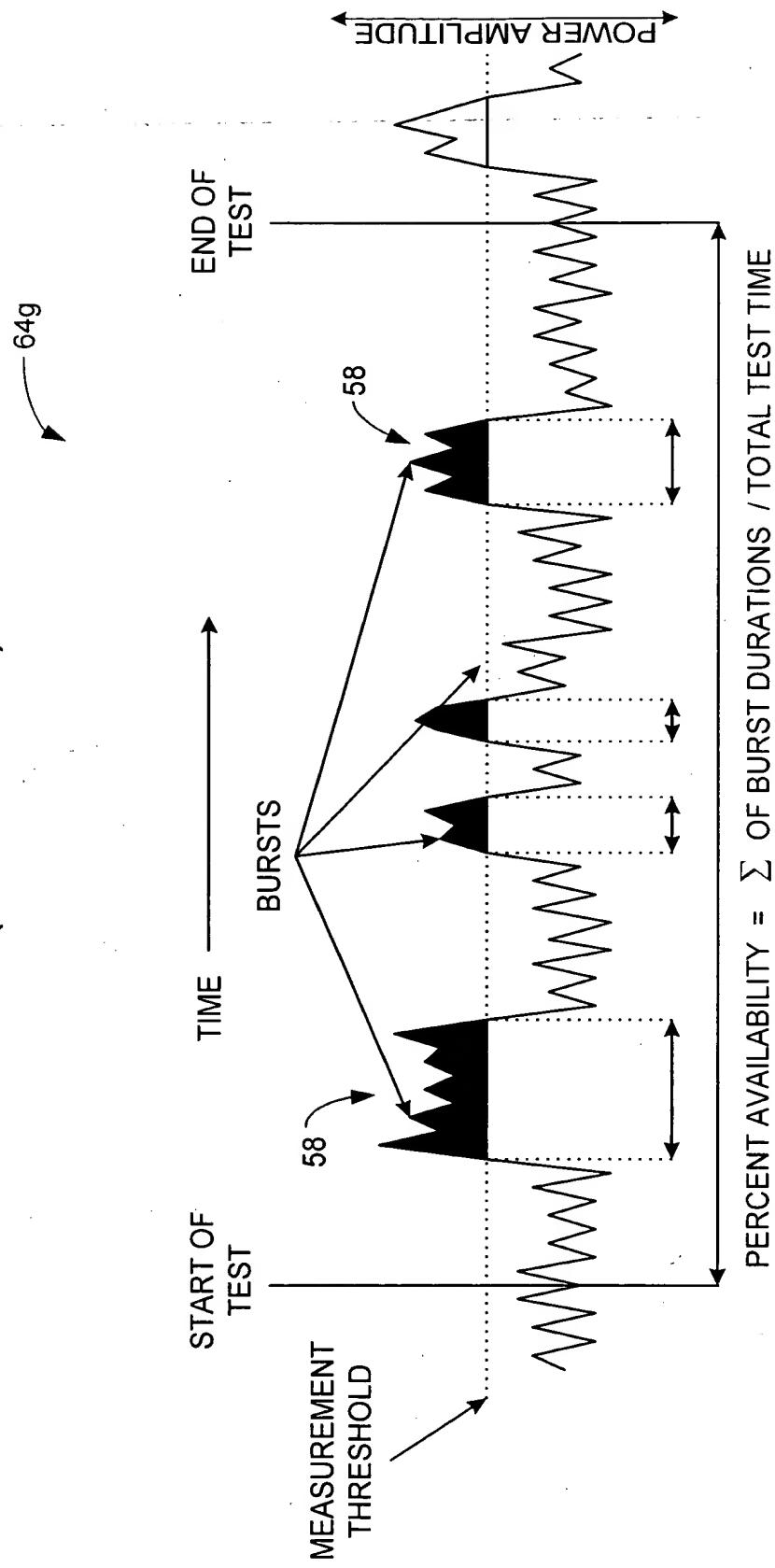


FIG. 3N

PERCENT AVAILABILITY TEST
(ACTIVE CHANNELS)

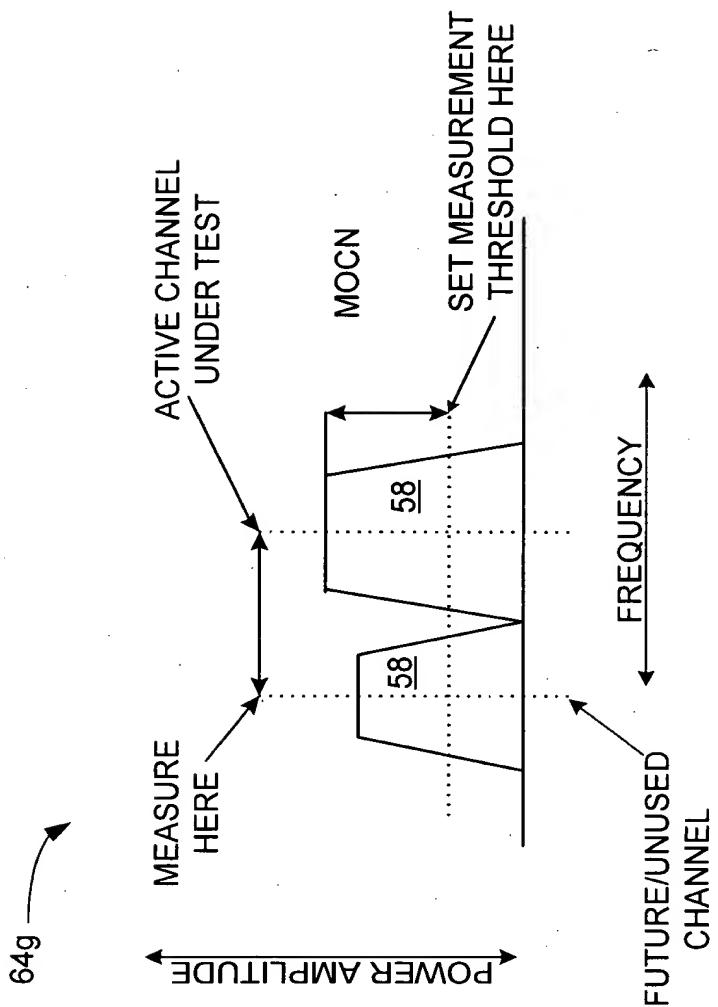


FIG. 30

FIG. 4

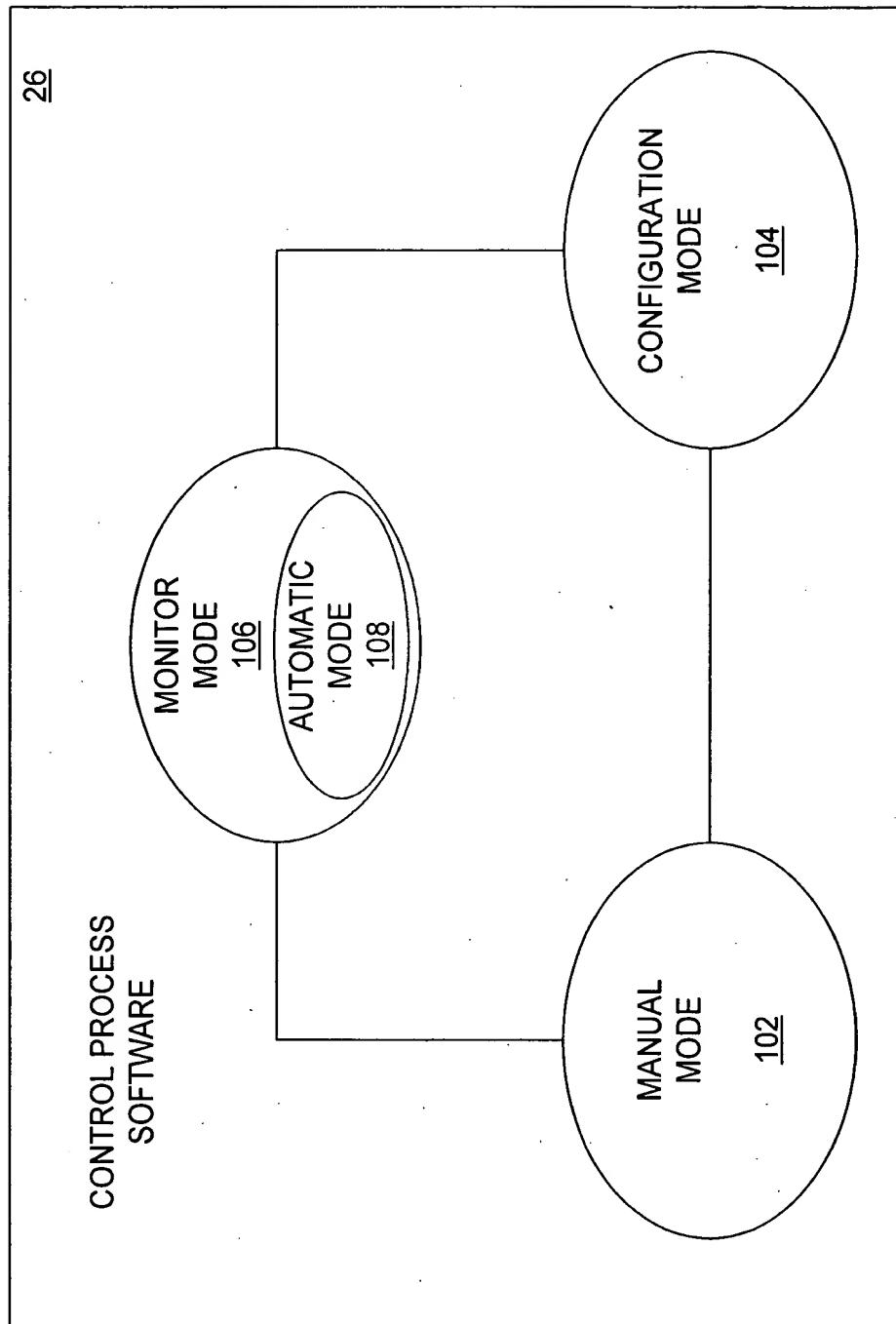


FIG. 5A

CHANNEL PLAN SETUP

ROUTINE 5A

SPECIFY GENERAL INFO ABOUT CHANNEL PLAN

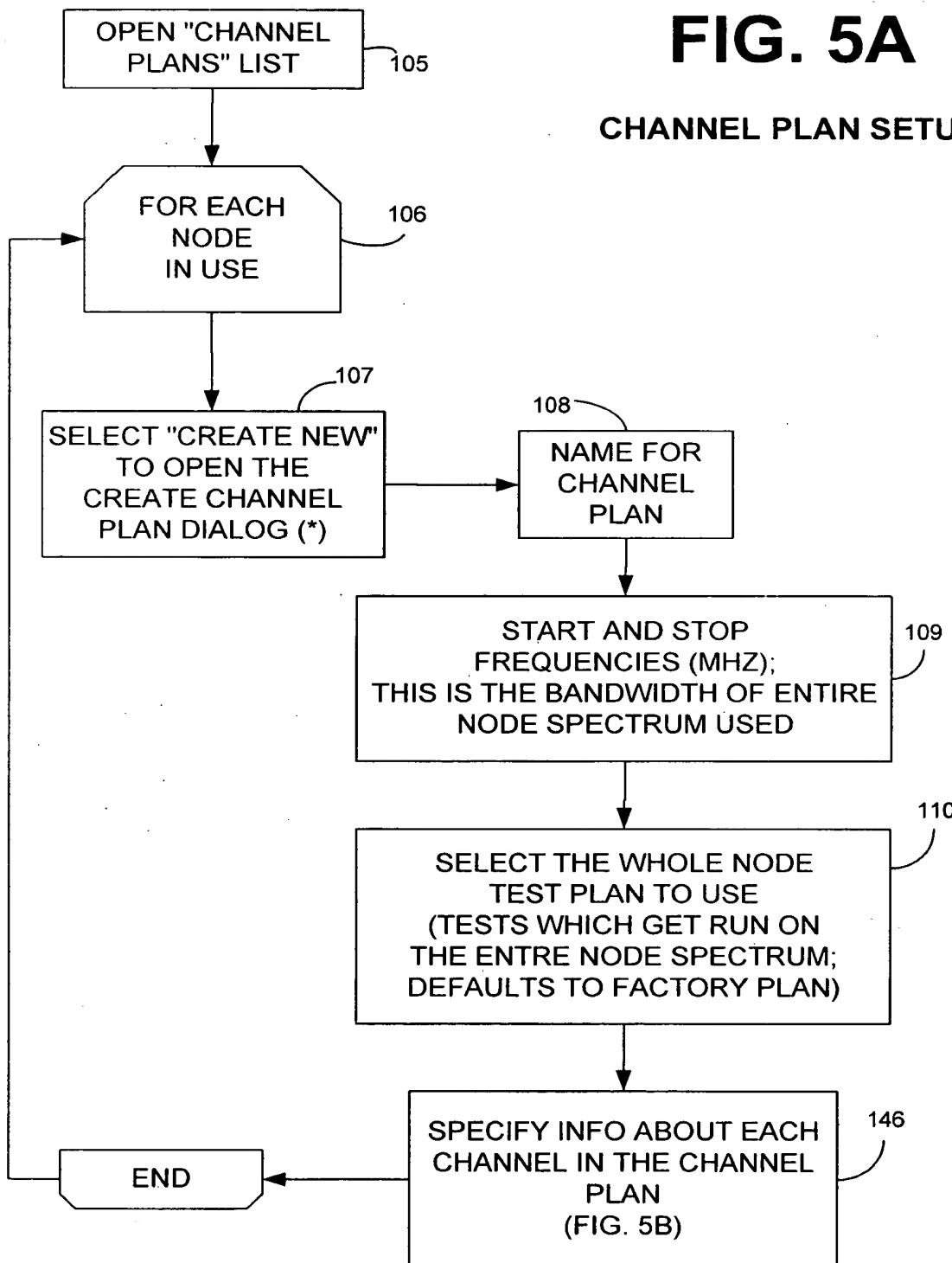


FIG. 5B

CHANNEL PLAN SETUP (CONTINUED)

DEVICE SETUP

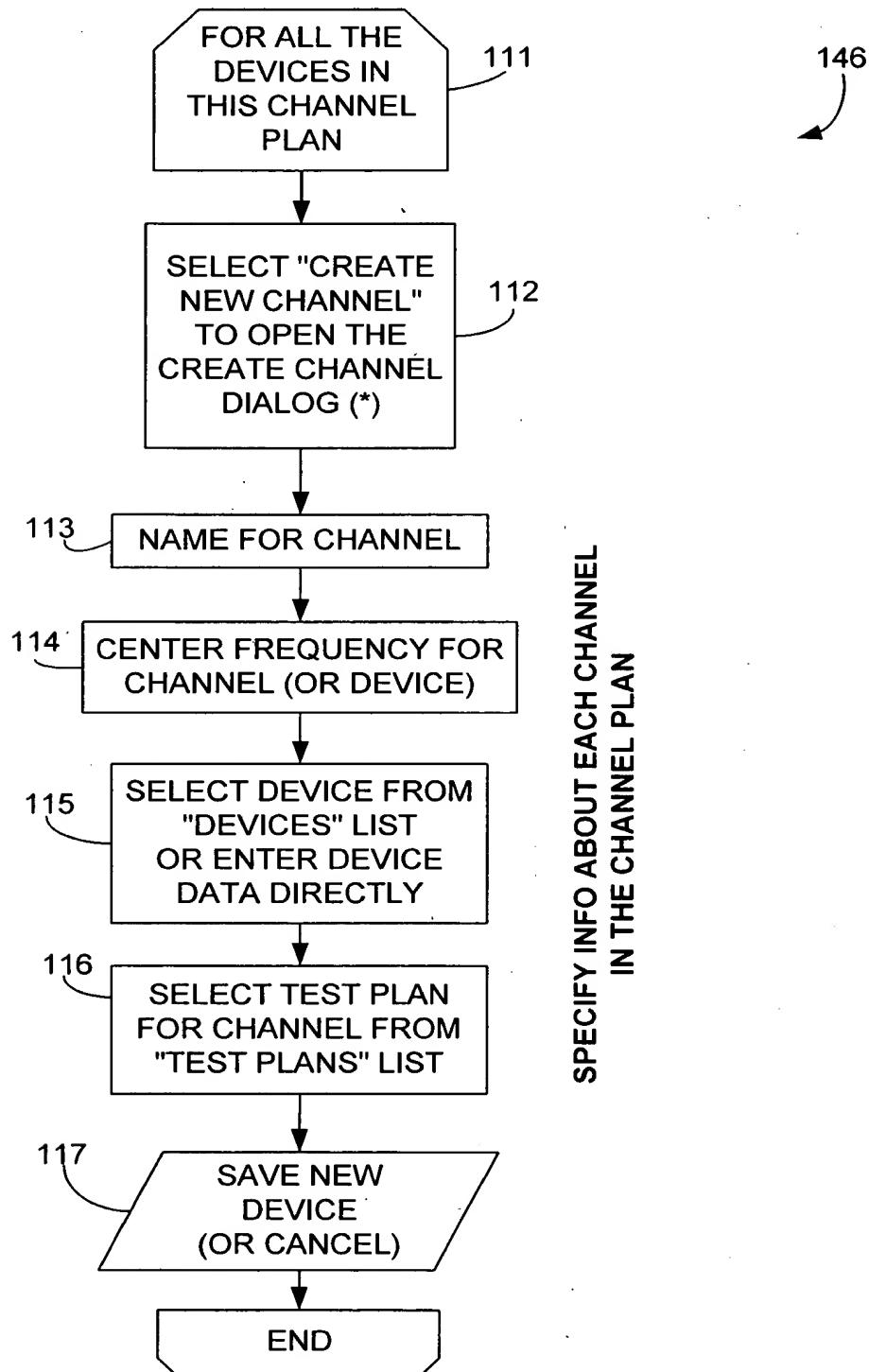
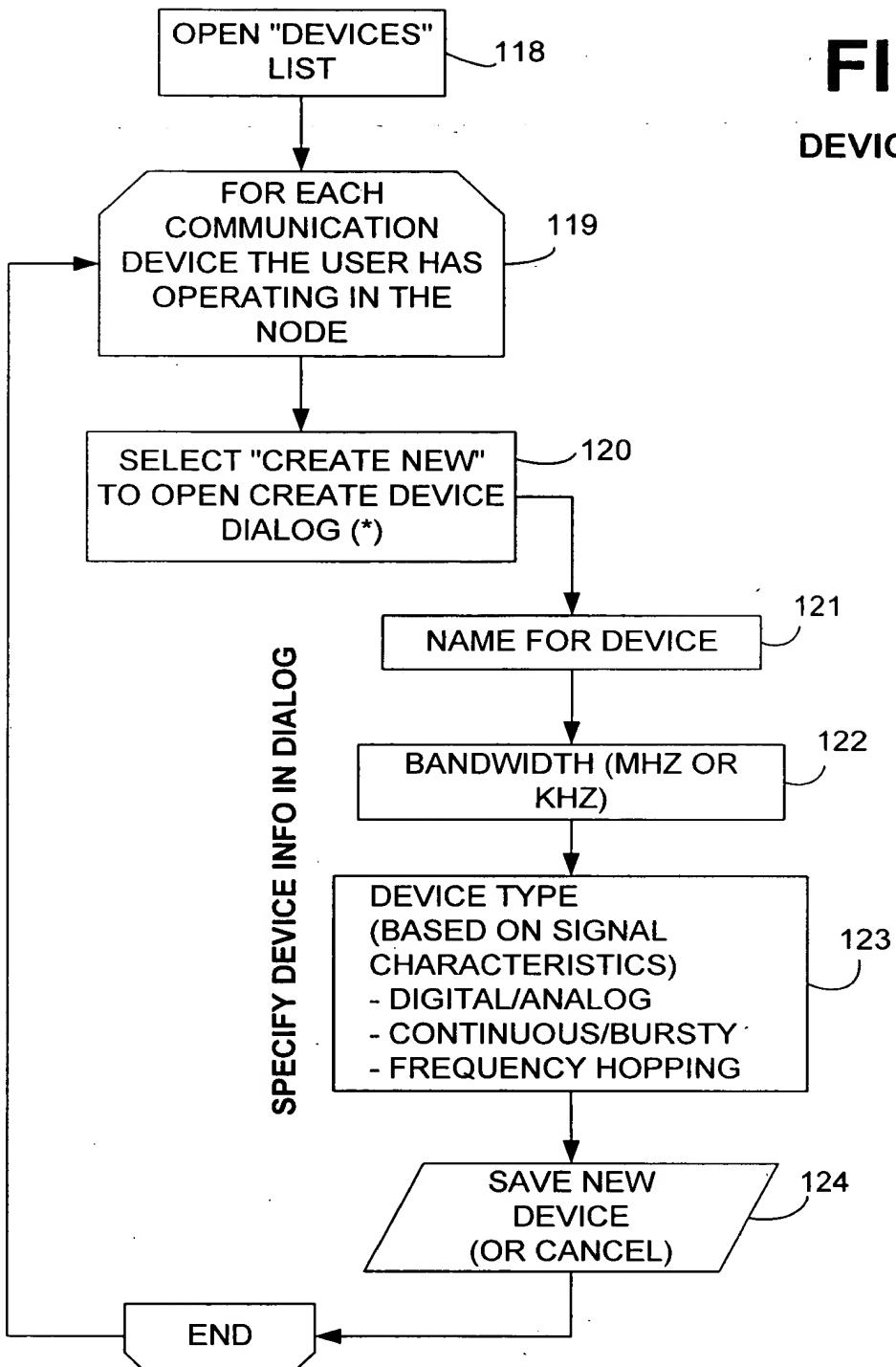


FIG. 6

DEVICE SETUP

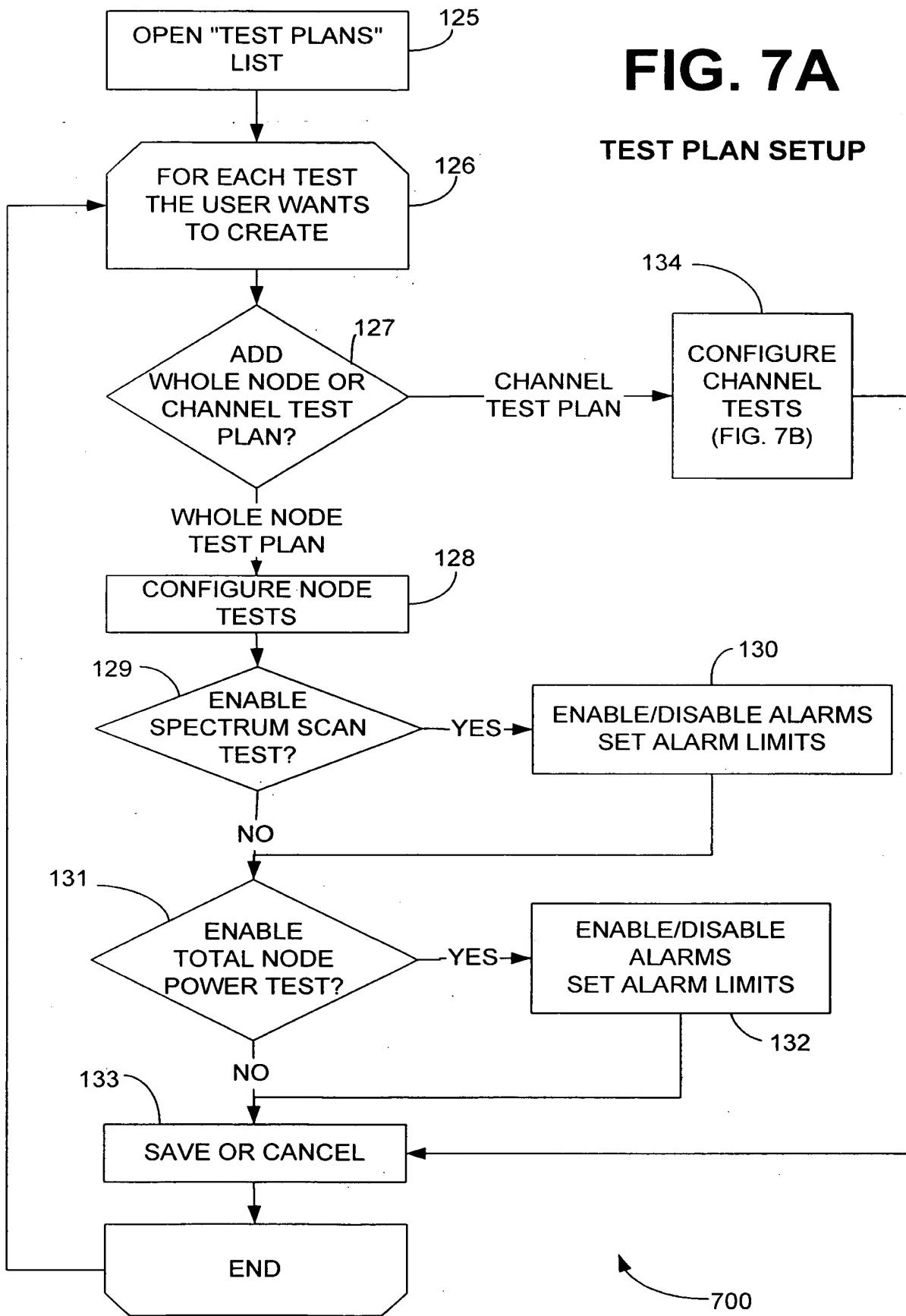
FIGURE 6 - DEVICE SETUP



* NOTE: DEVICE LIST DIALOG ALSO
ALLOWS USER TO EDIT OR DELETE
DEVICES.

FIG. 7A

TEST PLAN SETUP



TEST PLAN SETUP (CONTINUED)

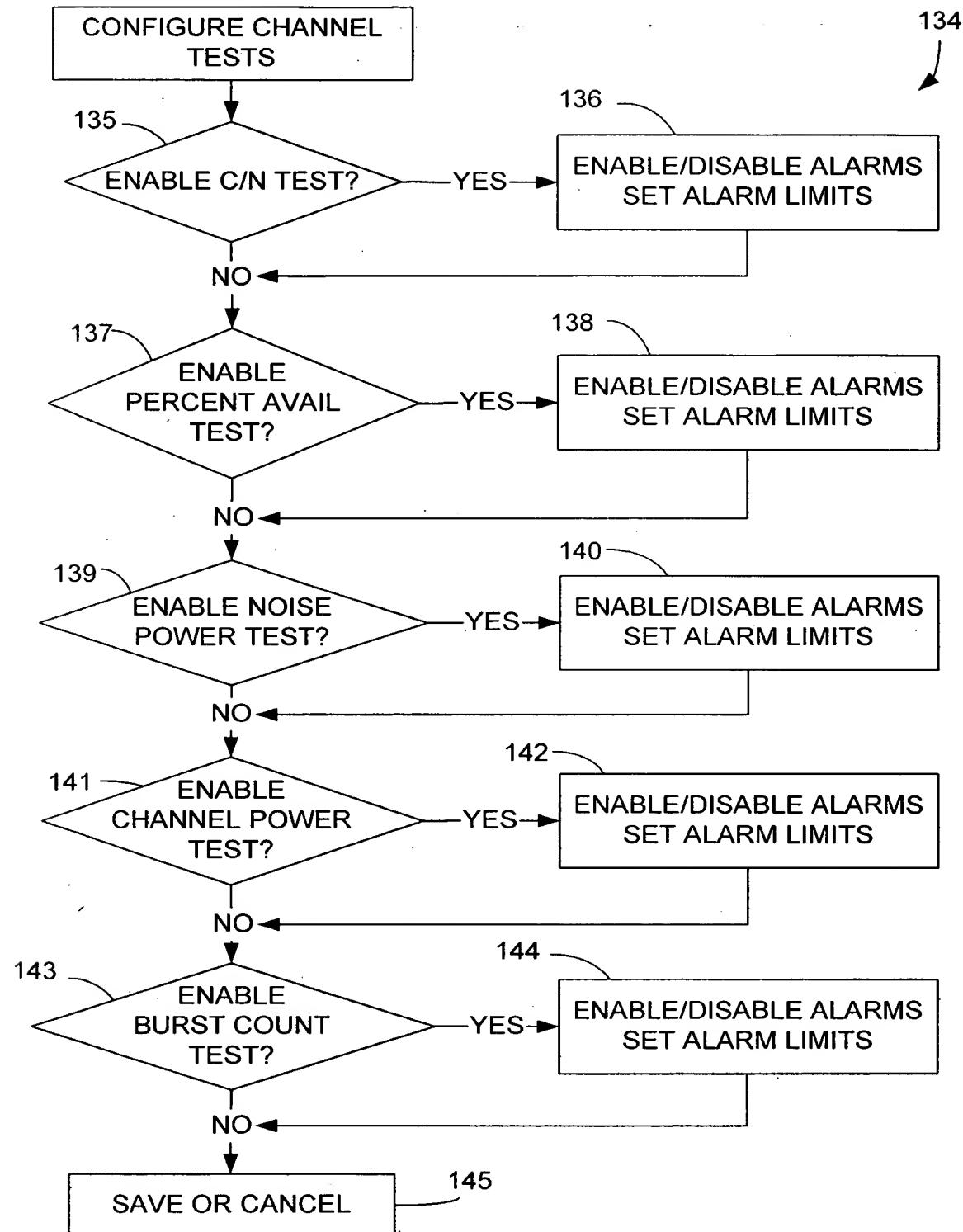


FIG. 7B

**AUTOMATIC MODE
(FIRST EMBODIMENT; EMPLOYS ROUND ROBIN ALGORITHM)**

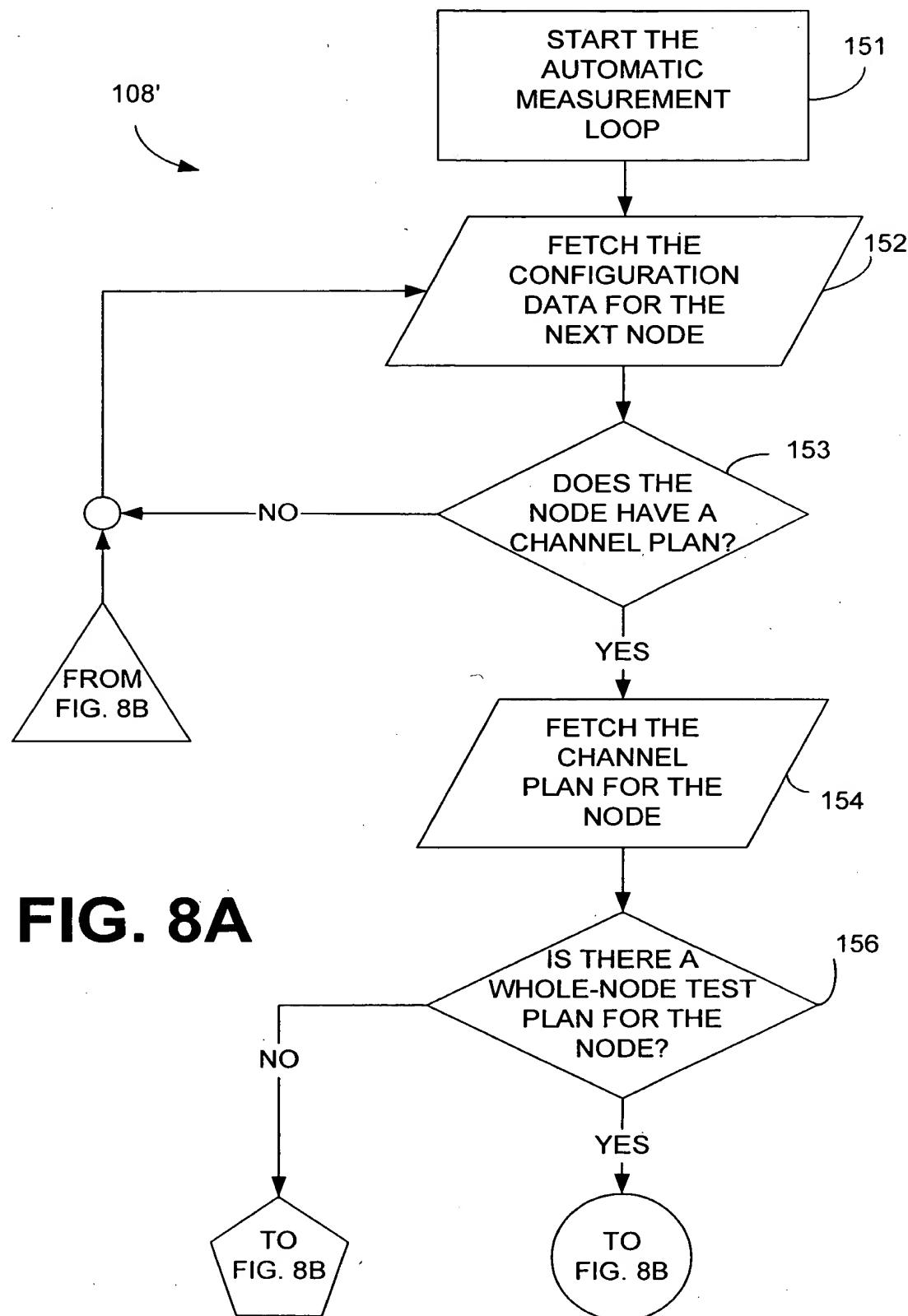


FIG. 8A

**AUTOMATIC MODE
(FIRST EMBODIMENT -
CONTINUED)**

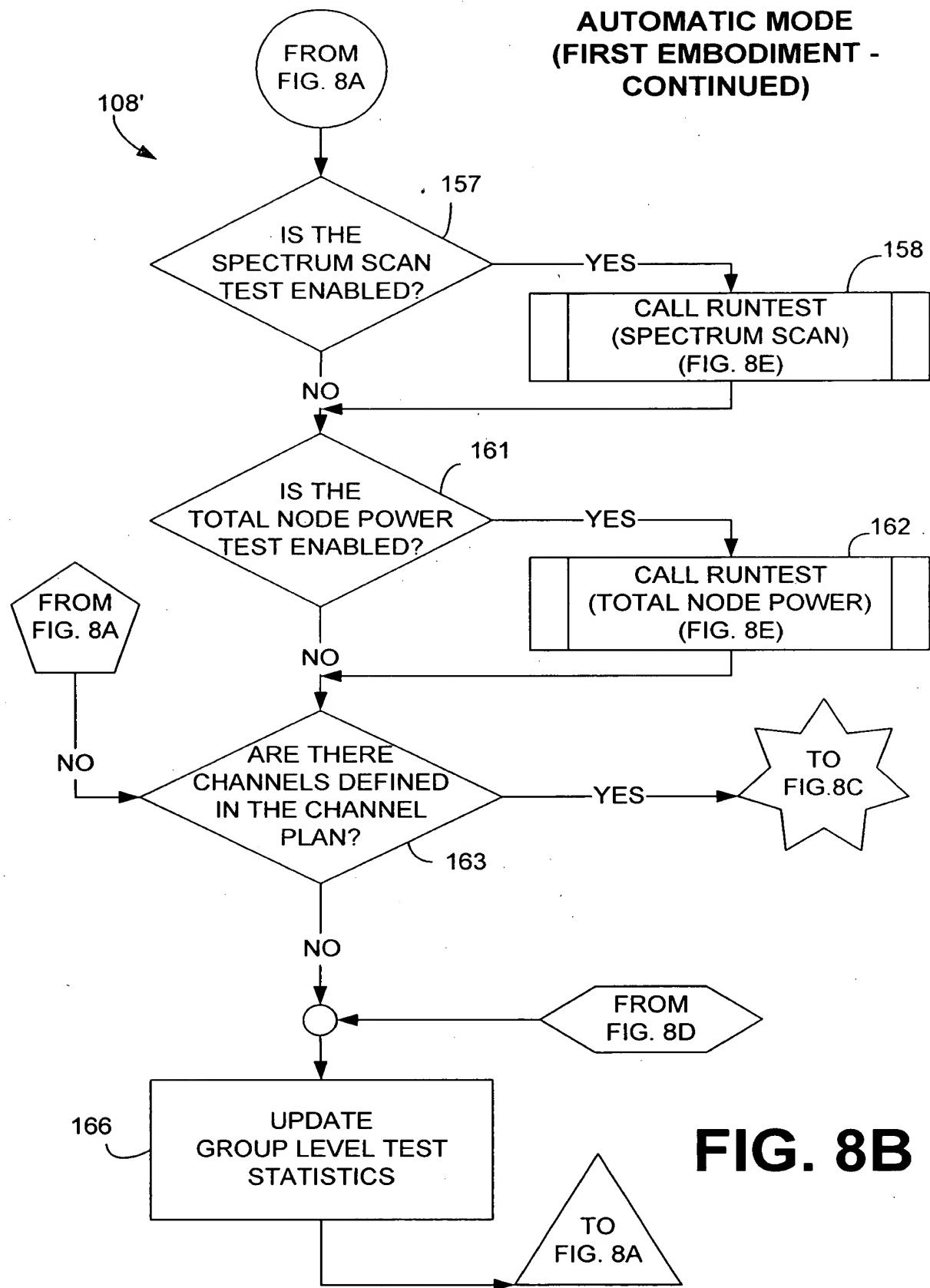


FIG. 8B

AUTOMATIC MODE (FIRST EMBODIMENT - CONTINUED)

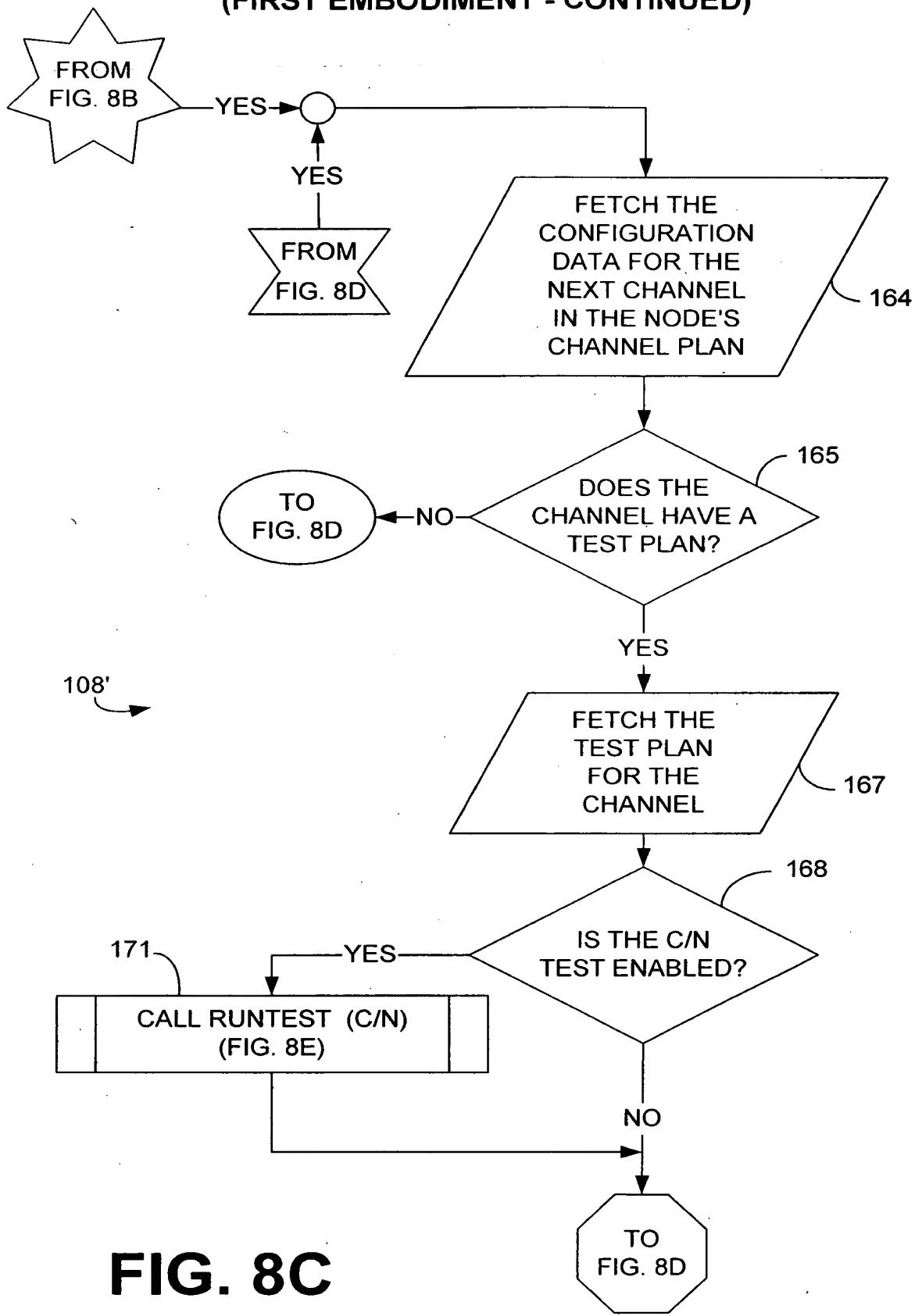
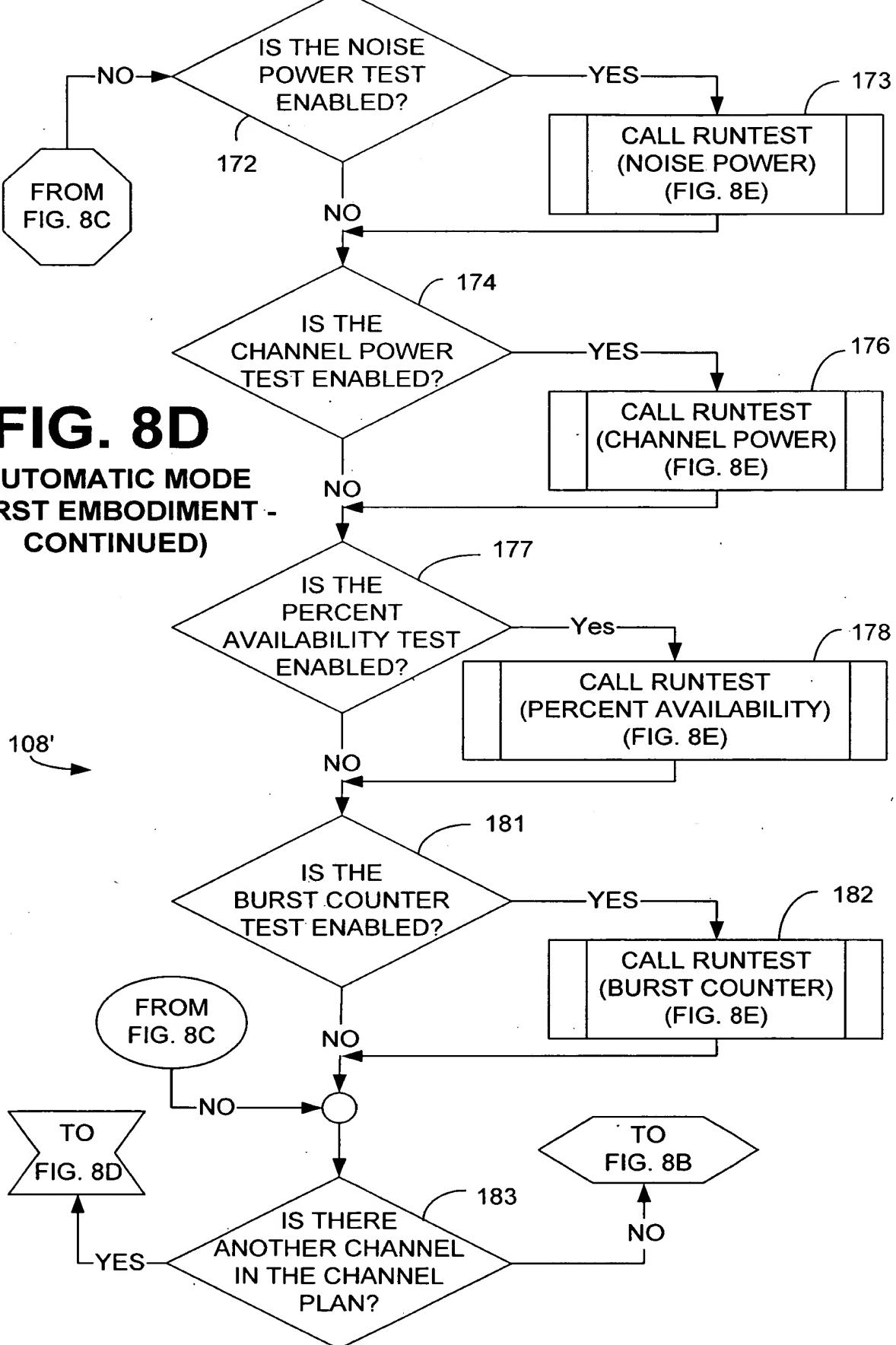


FIG. 8C

FIG. 8D
AUTOMATIC MODE
(FIRST EMBODIMENT -
CONTINUED)



**AUTOMATIC MODE
(FIRST EMBODIMENT - CONTINUED)**

RUNTEST SUBROUTINE

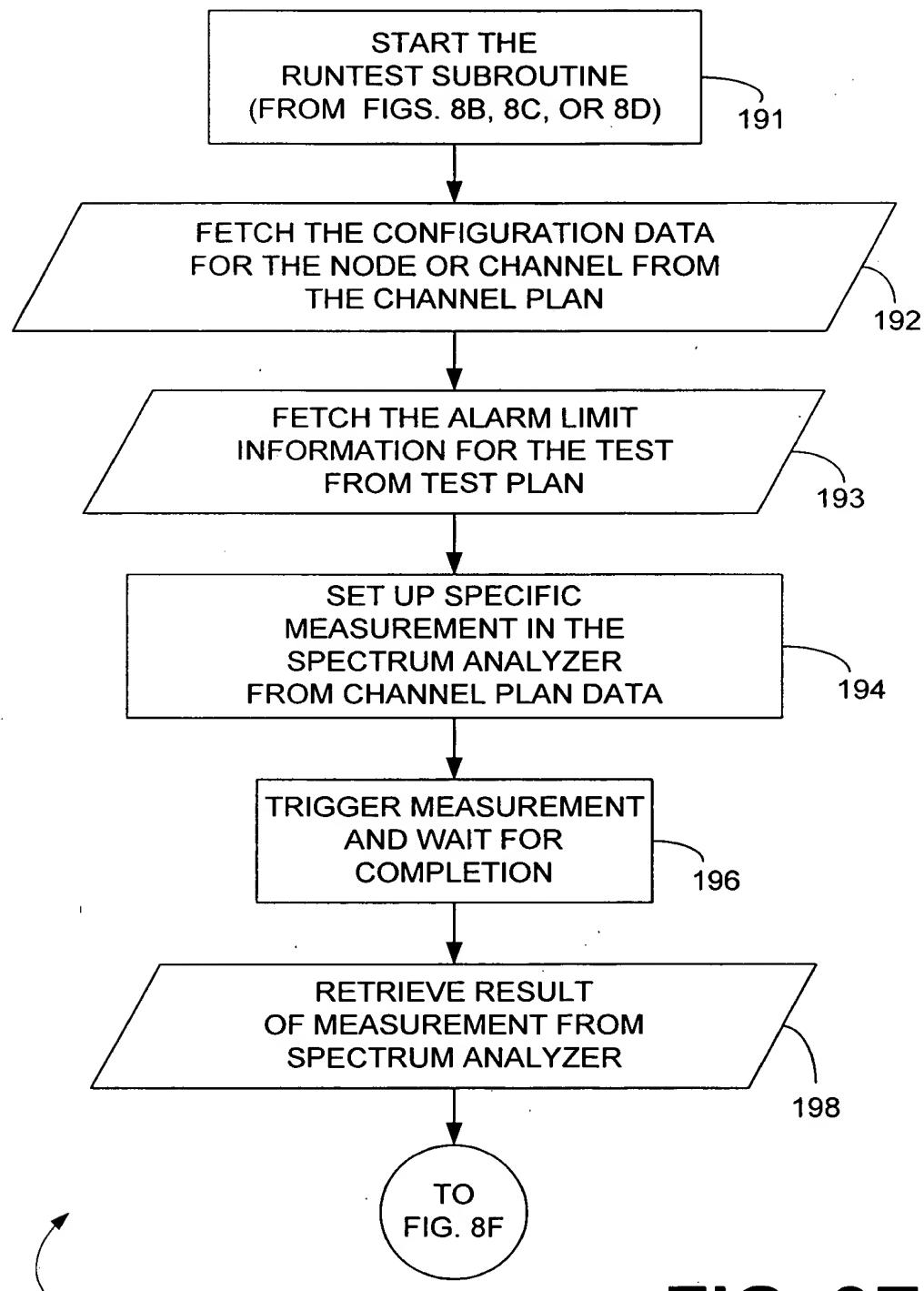


FIG. 8E

**AUTOMATIC MODE
(FIRST EMBODIMENT - CONTINUED)**

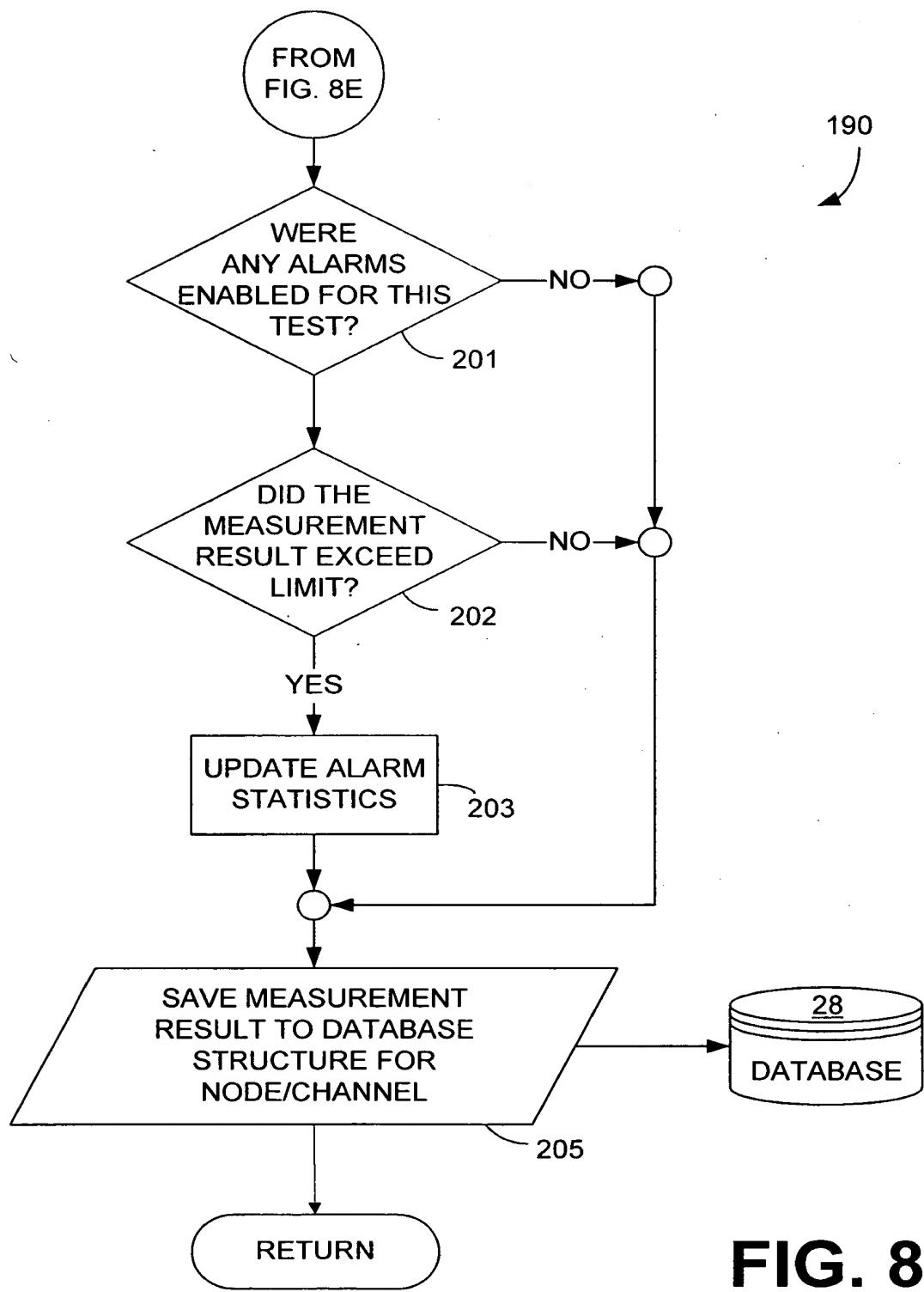


FIG. 8F

AUTOMATIC MODE
(SECOND EMBODIMENT; EMPLOYS SMART
SCANNING ALGORITHM)

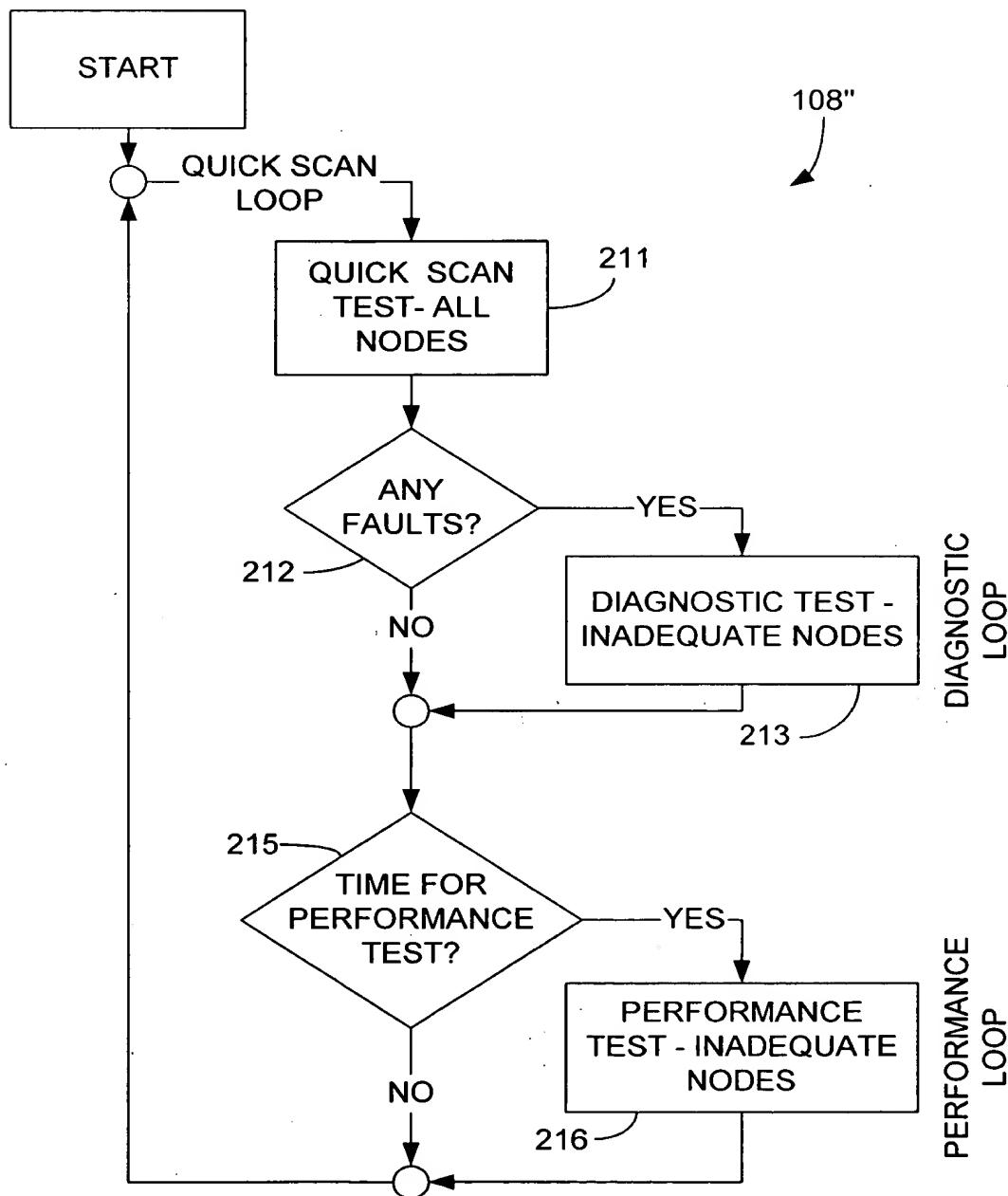


FIG. 9A

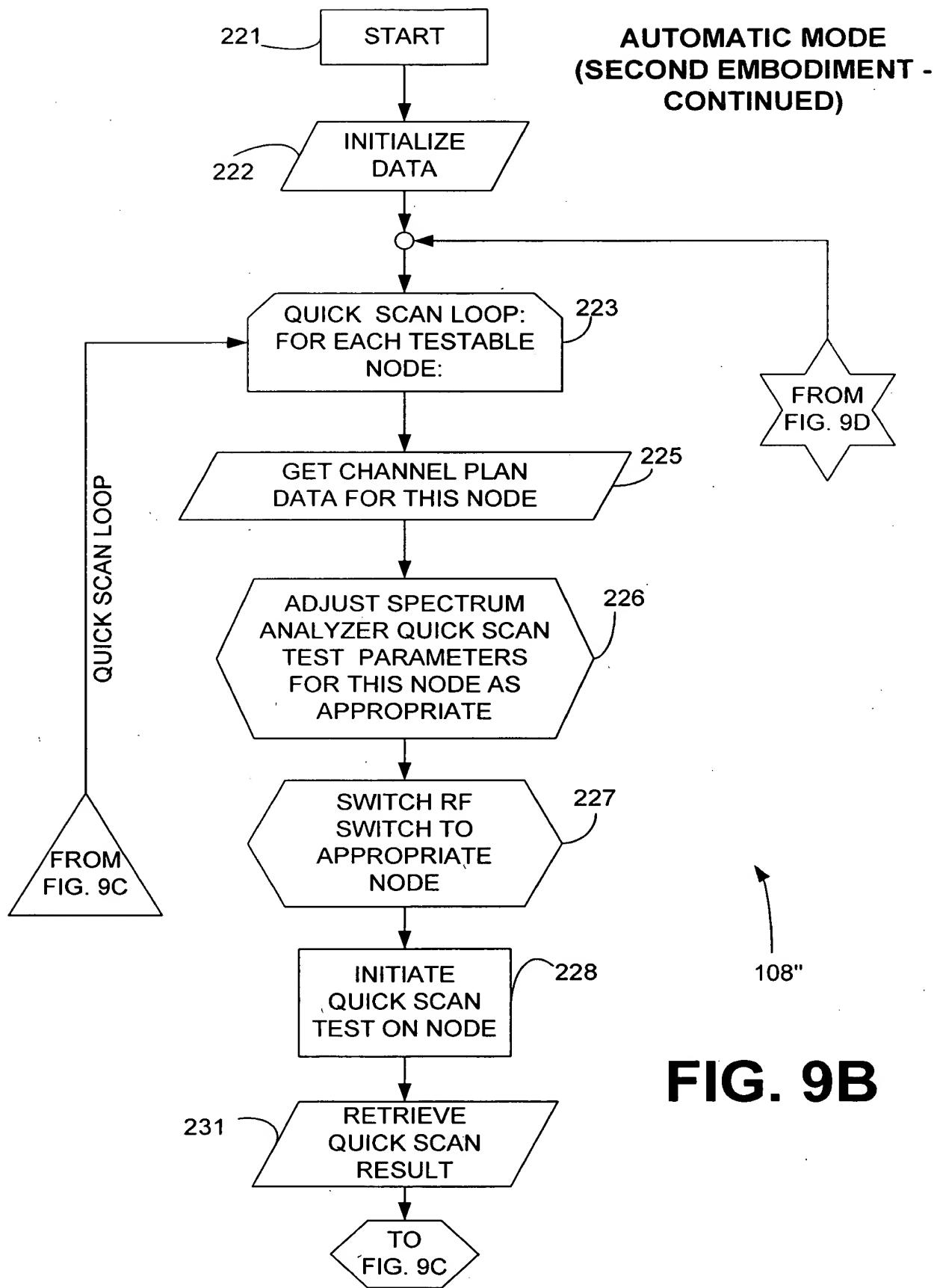


FIG. 9B

**AUTOMATIC MODE
(SECOND EMBODIMENT - CONTINUED)**

FIGURE 9C

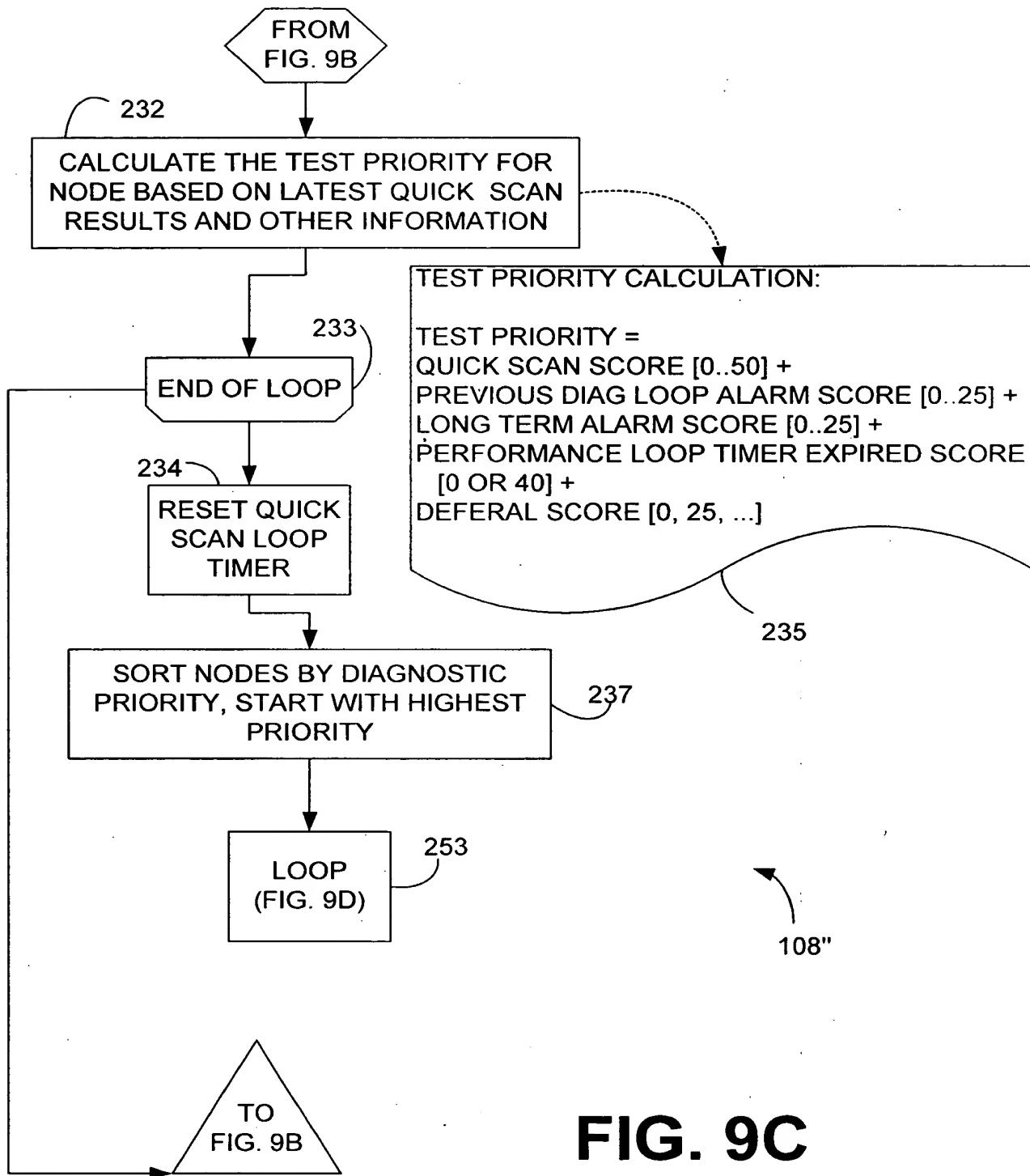
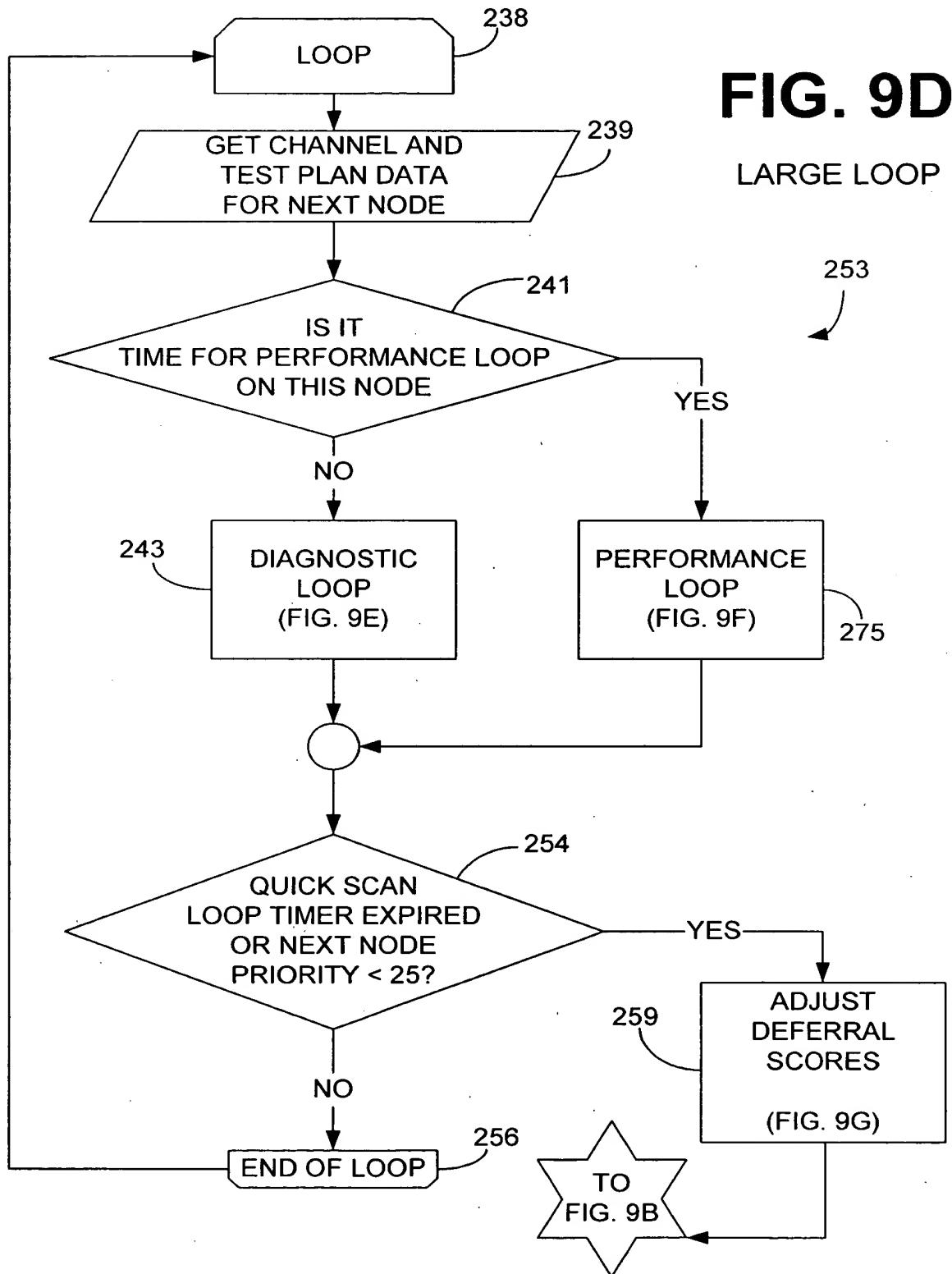


FIG. 9C

AUTOMATIC MODE (SECOND EMBODIMENT - CONTINUED)



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**AUTOMATIC MODE
(SECOND EMBODIMENT - CONTINUED)**

DIAGNOSTIC LOOP

243

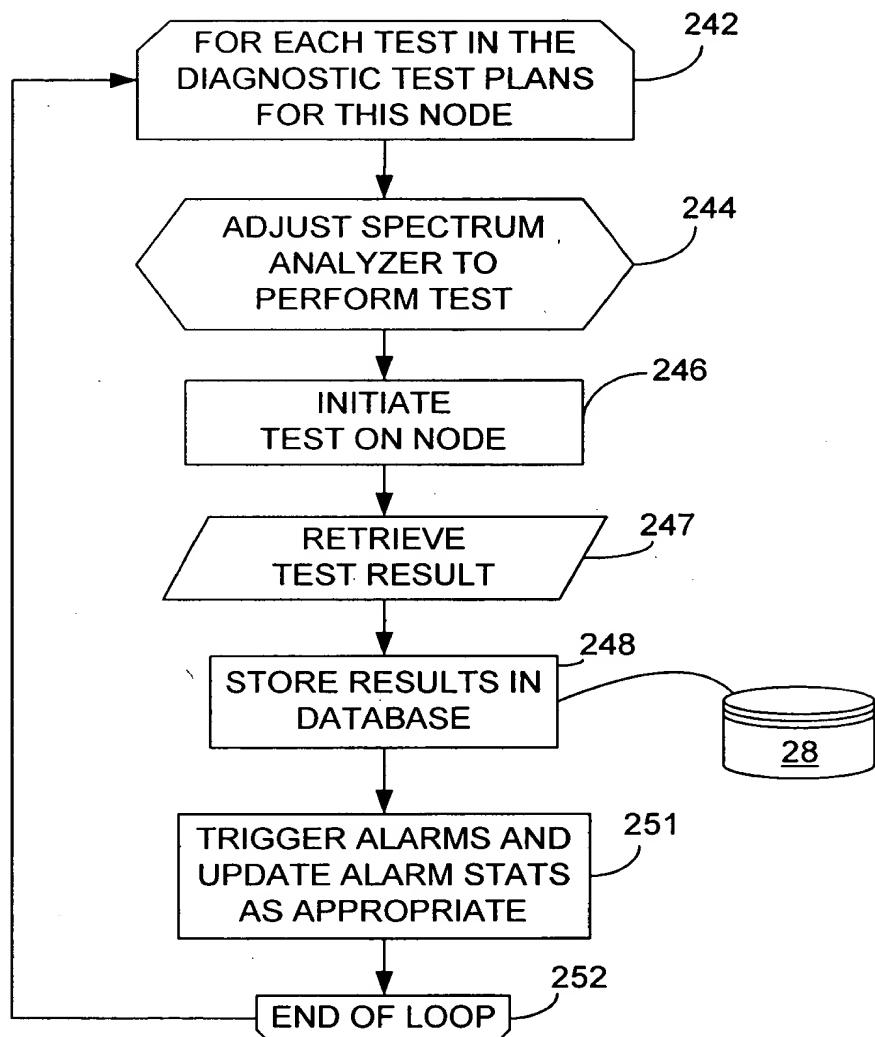


FIG. 9E

**AUTOMATIC MODE
(SECOND EMBODIMENT - CONTINUED)**

PERFORMANCE LOOP

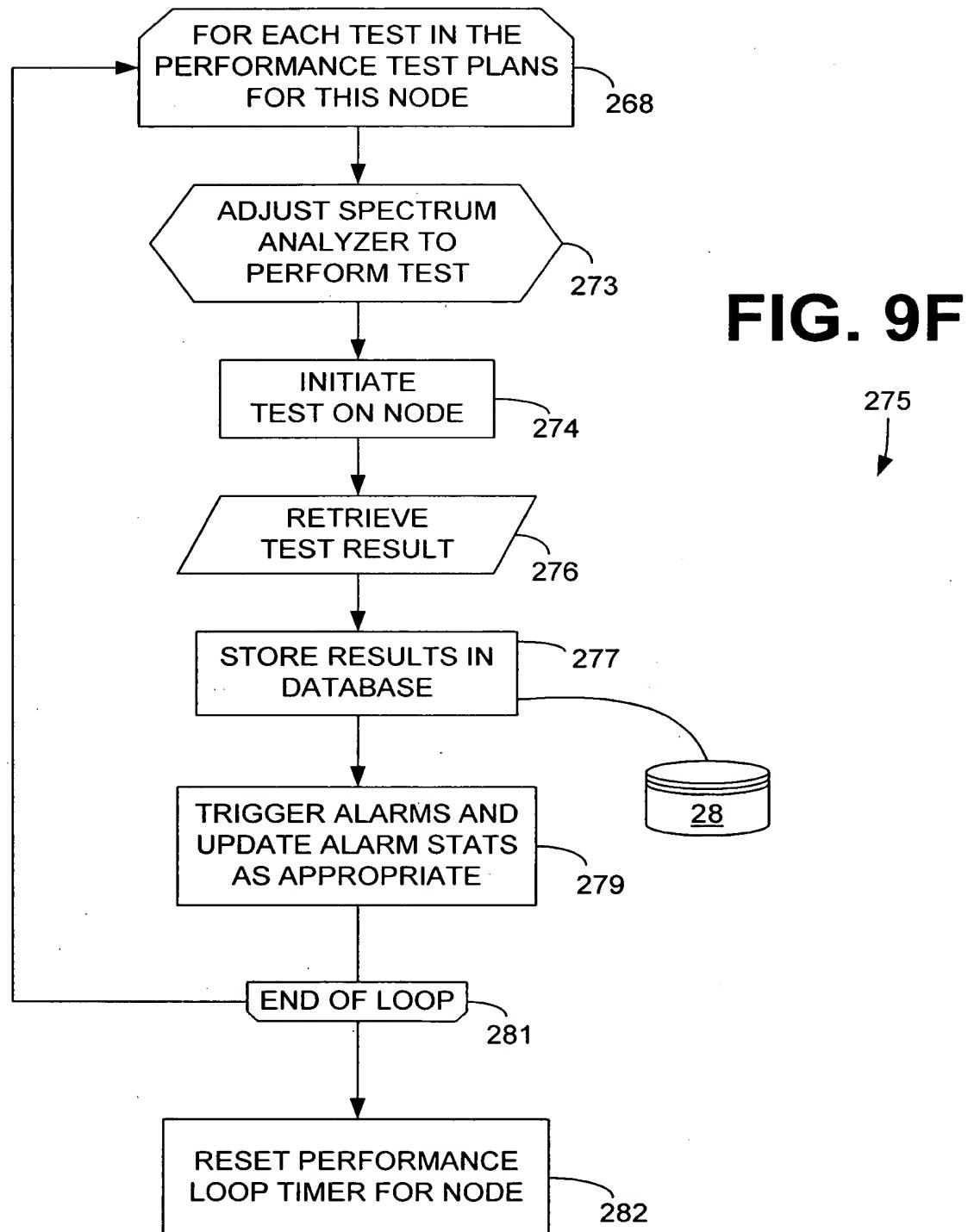


FIG. 9F

**AUTOMATIC MODE
(SECOND EMBODIMENT - CONTINUED)**

ADJUST DEFERAL SCORES LOOP

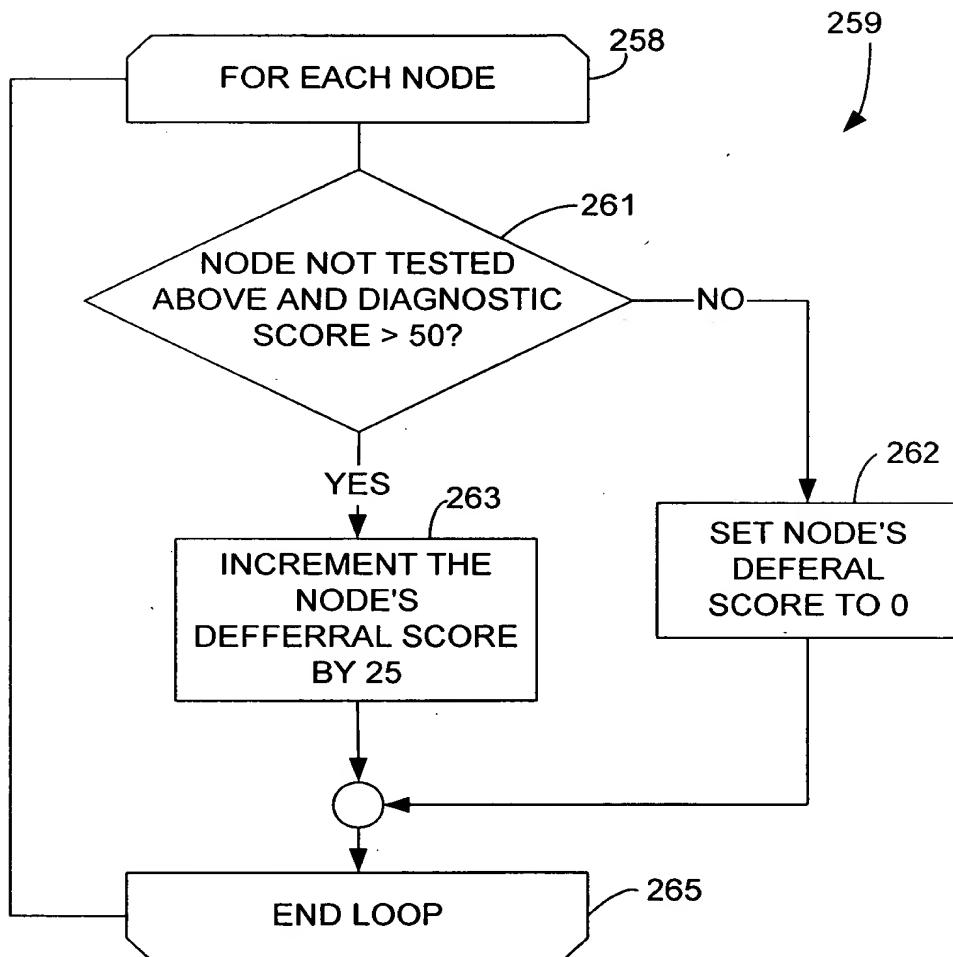
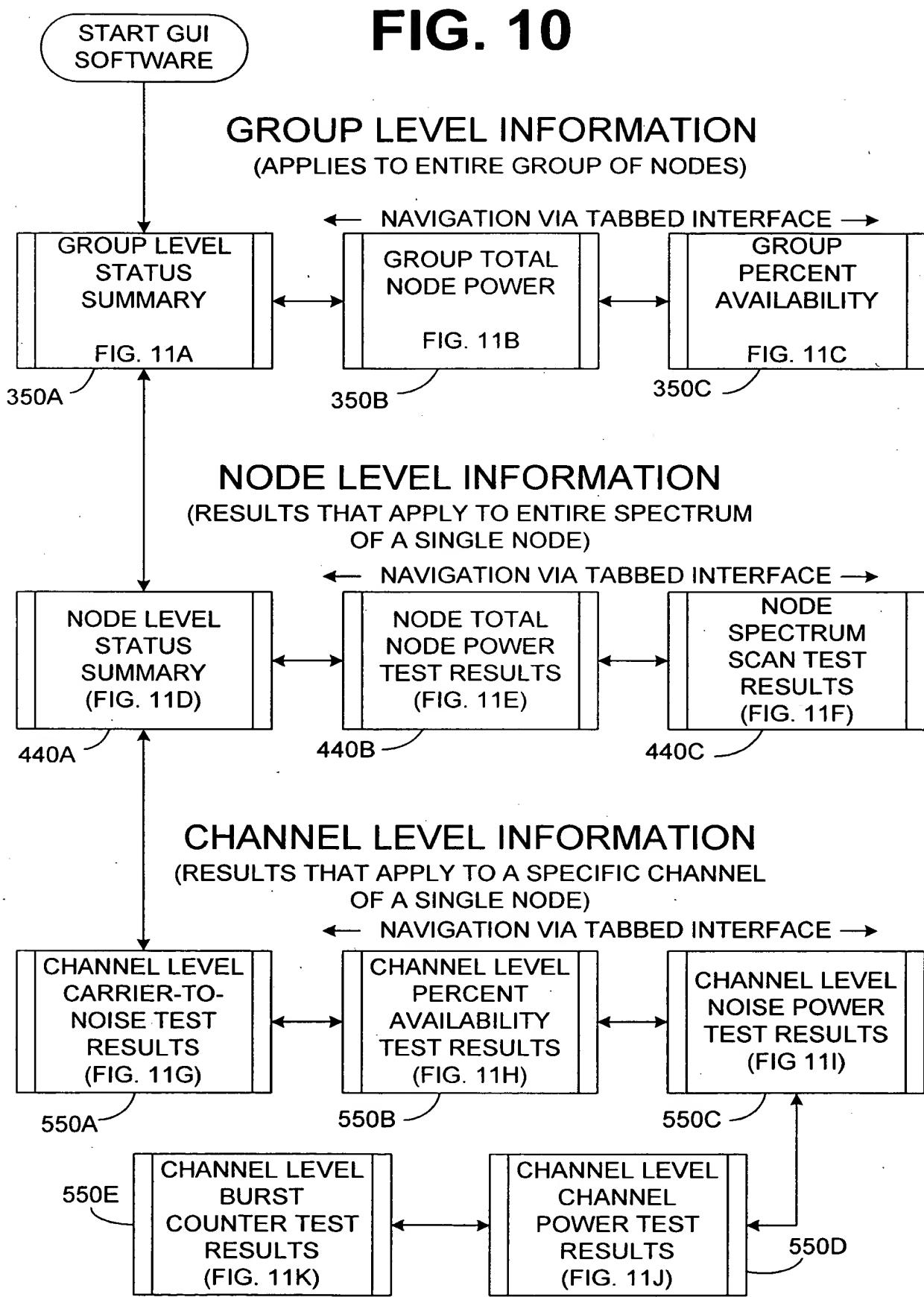


FIG. 9G

FIG. 10



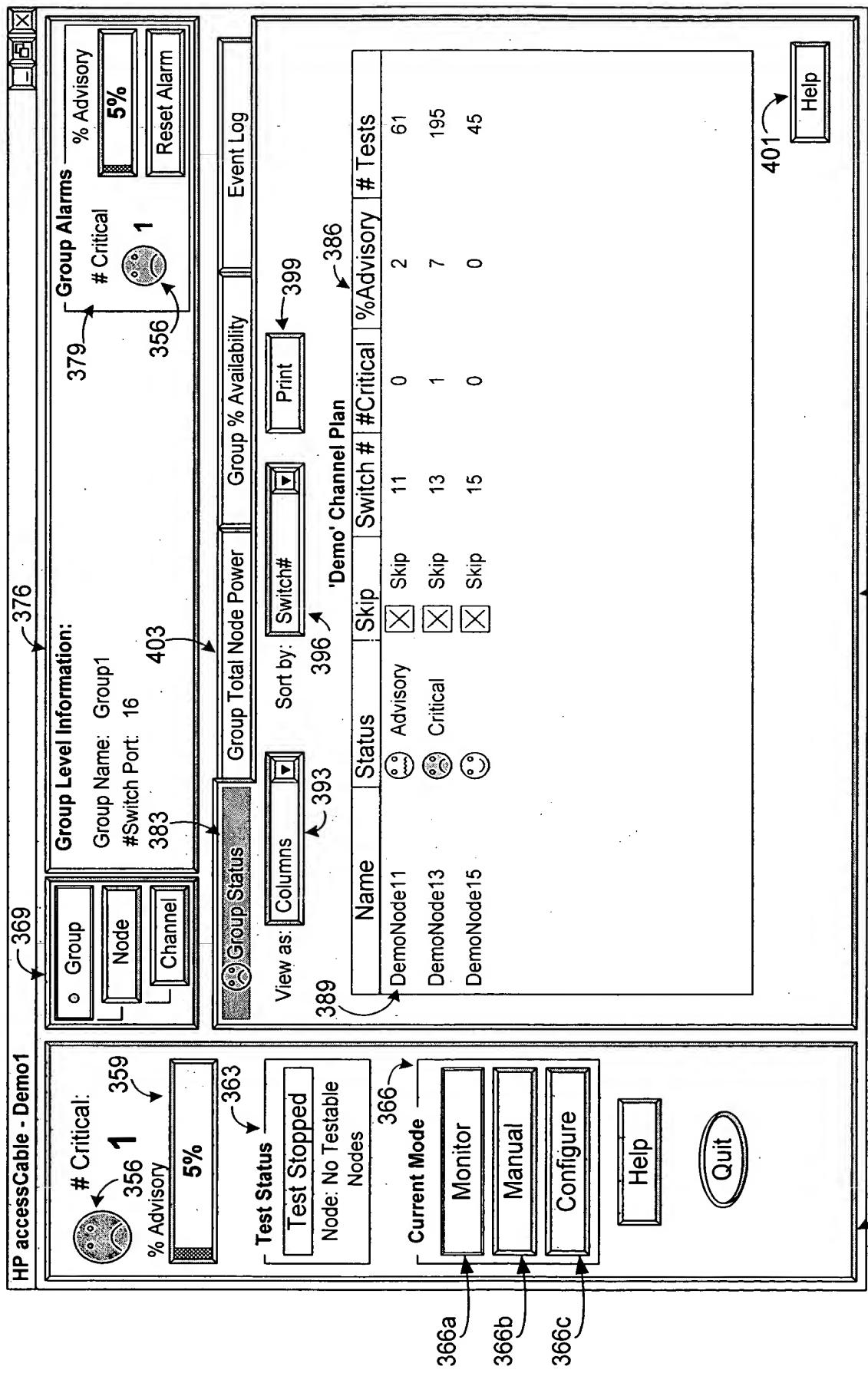


FIG. 11A

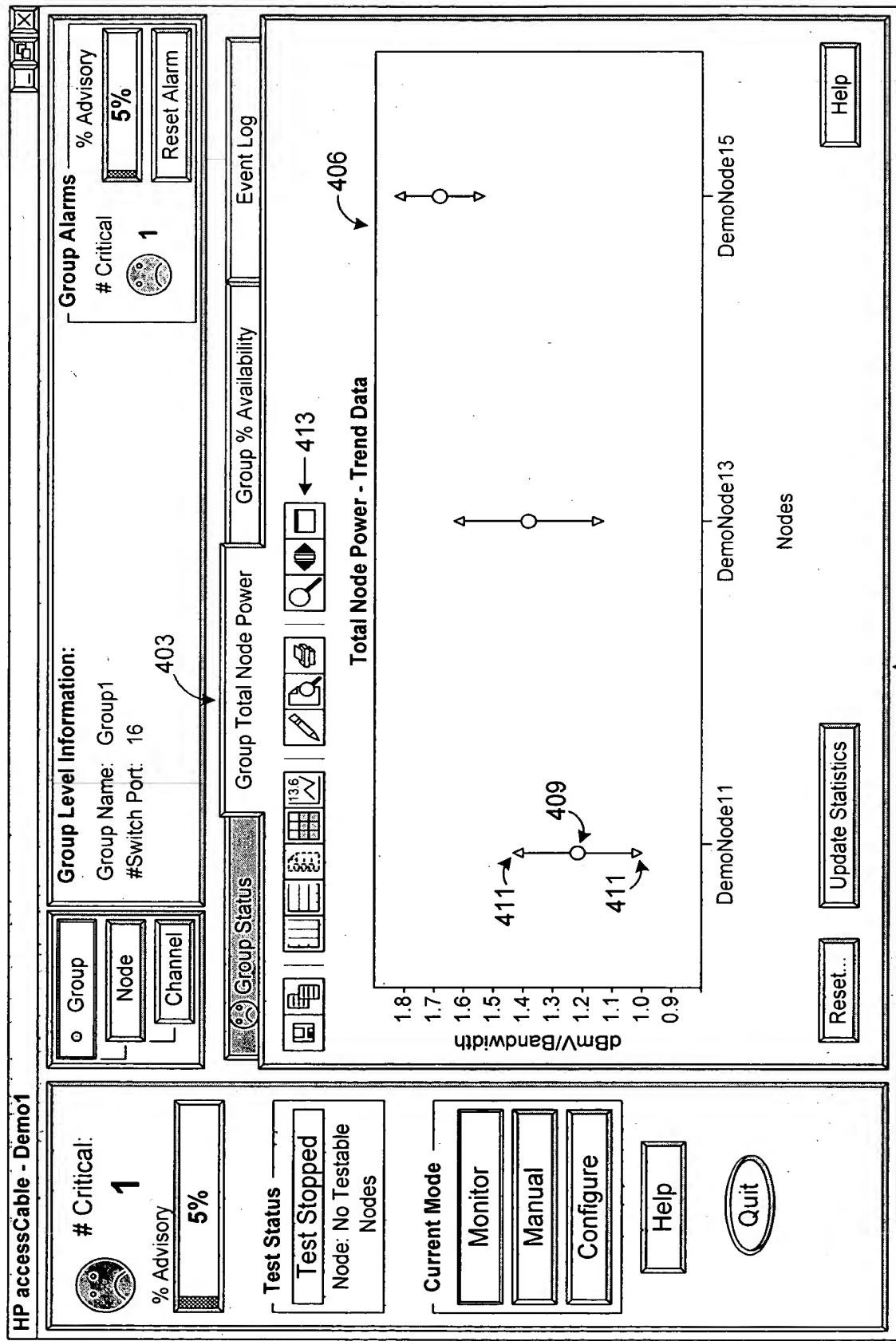


FIG. 11B

373

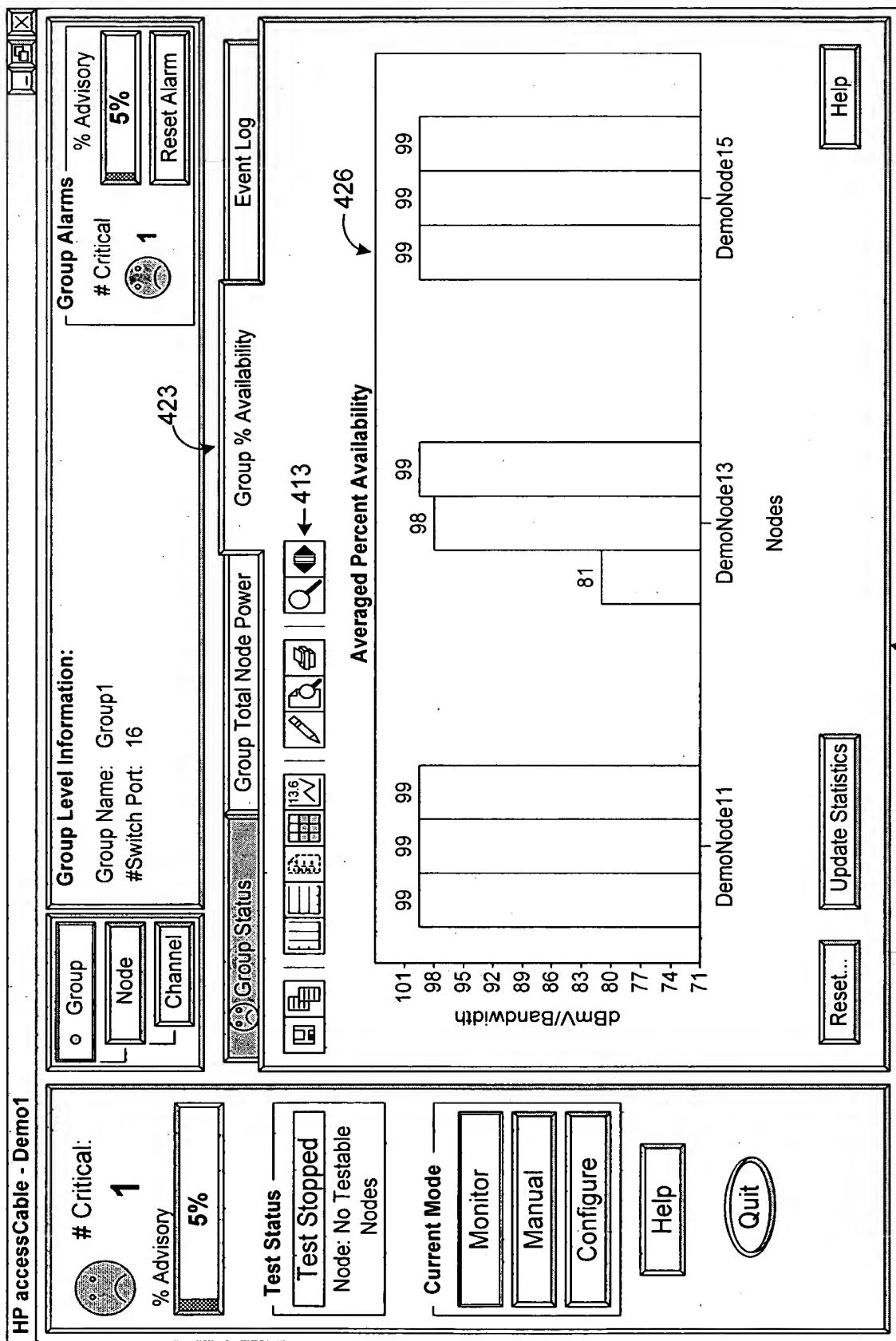


FIG. 11C

-373

350C

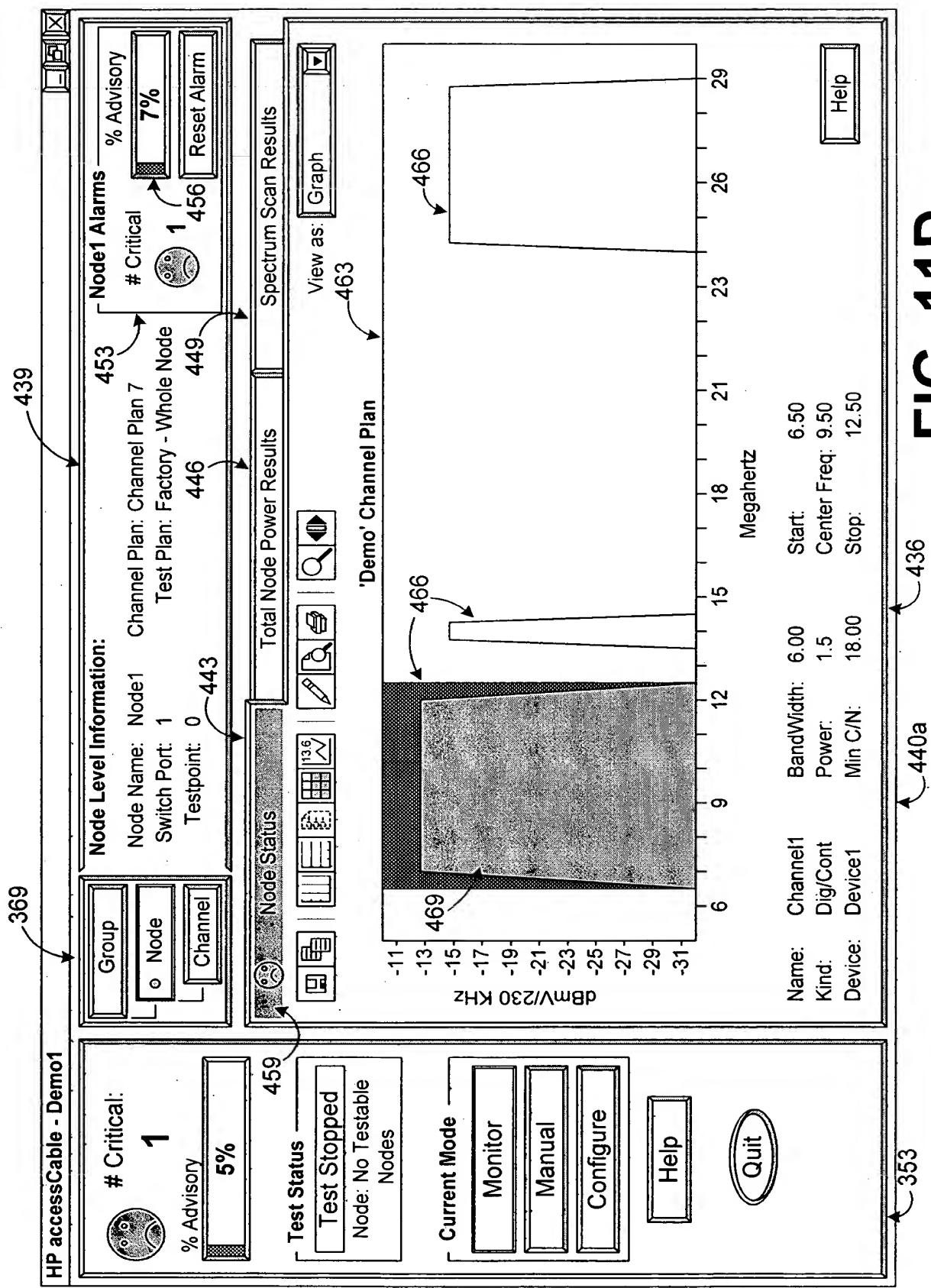


FIG. 11D

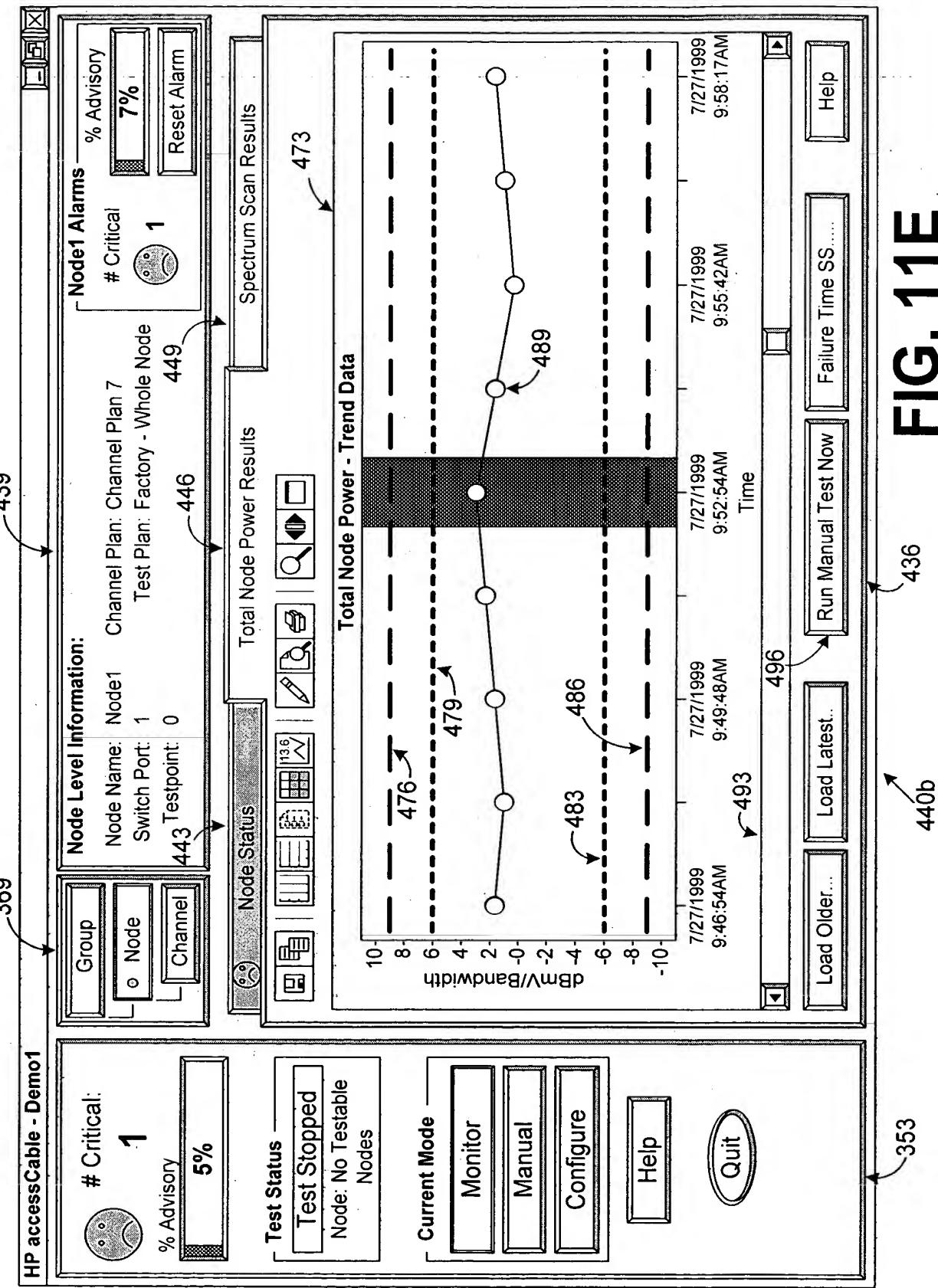


FIG. 11E

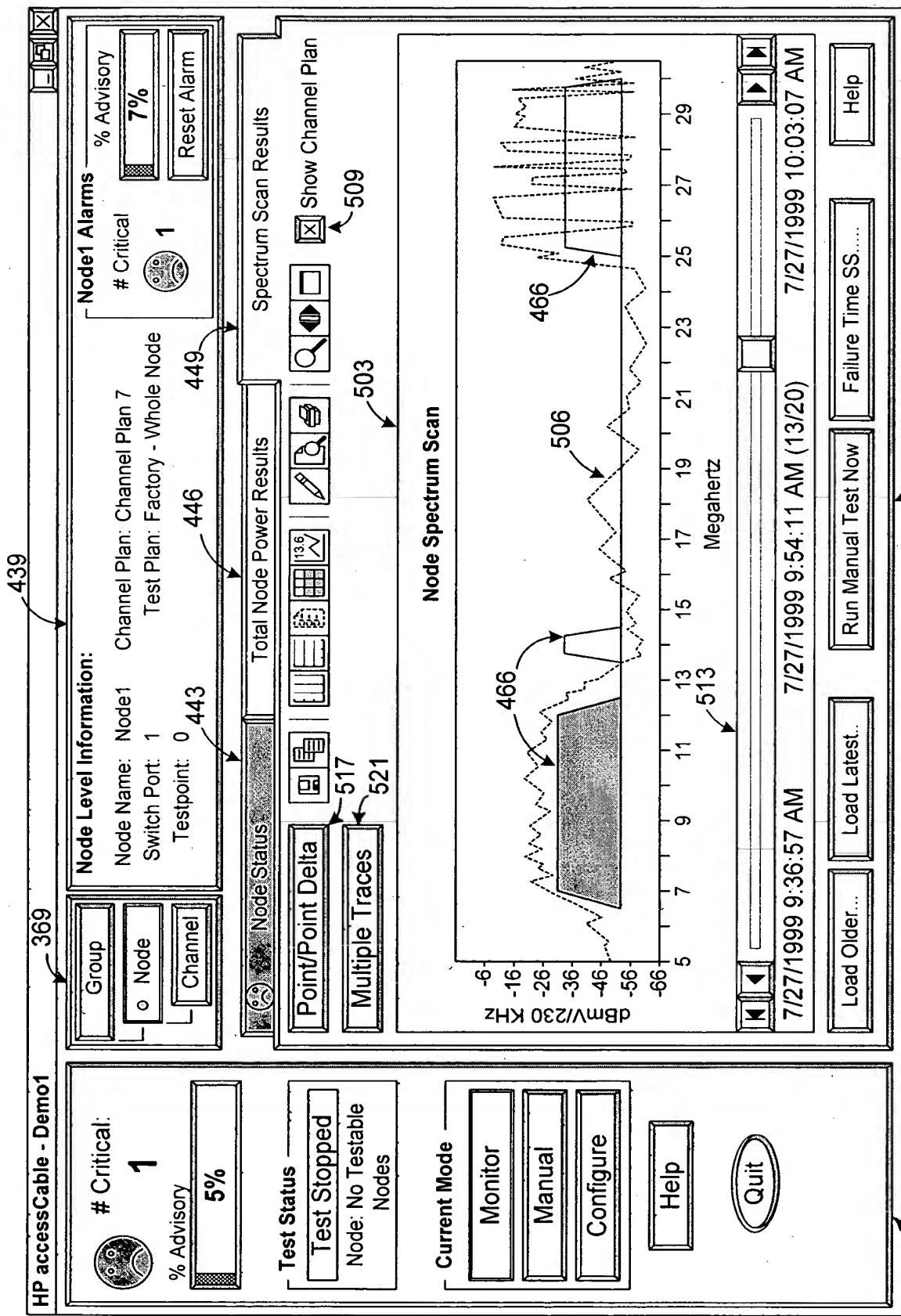


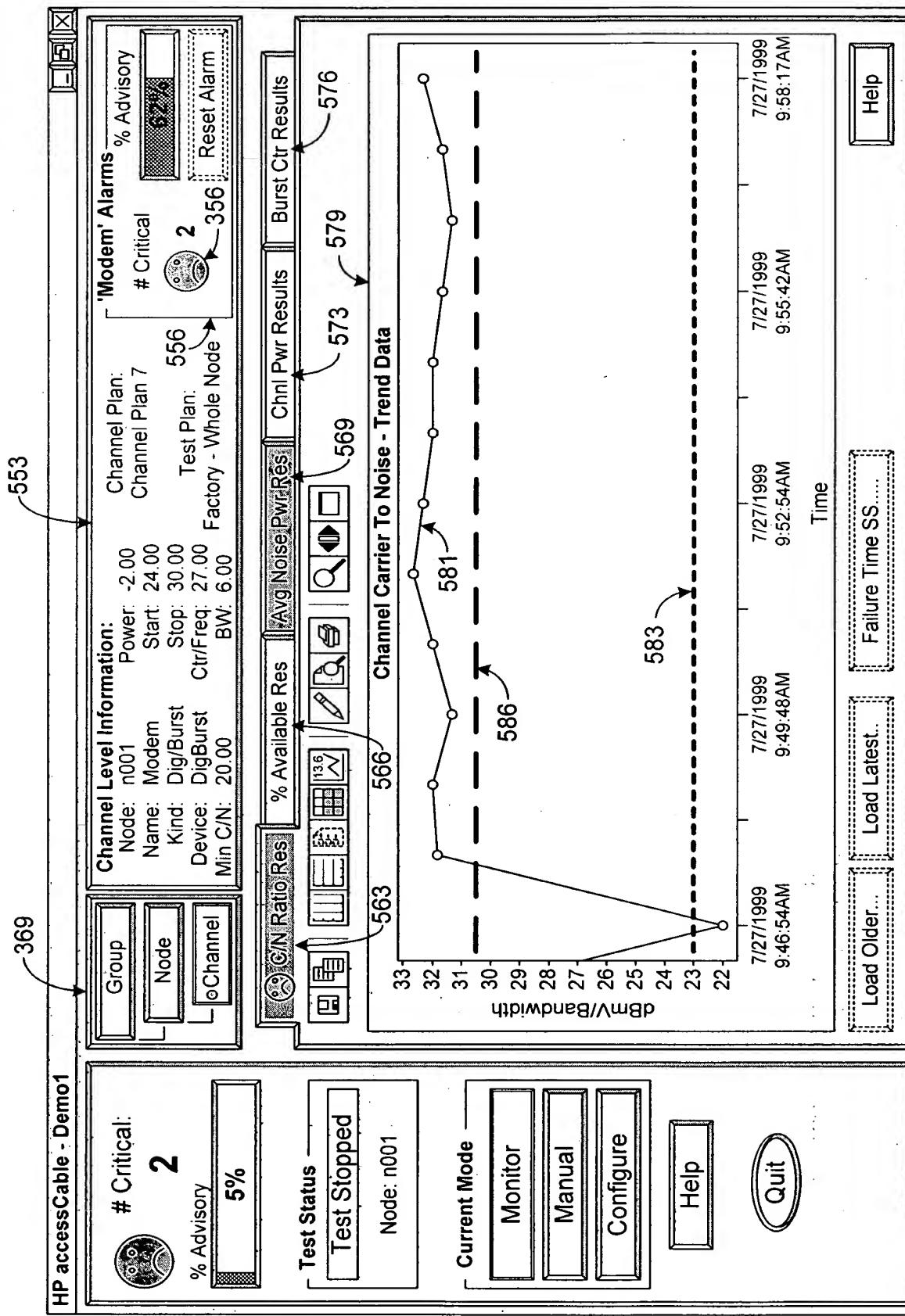
FIG. 11F

436

440

353

FIG. 11G



550a →

559

FIG. 11H

EEG

HP accessCable - Demo1

Critical: 2
% Advisory: 5%

Test Status — Test Stopped
Node: n001

Current Mode — Monitor, Manual, Configure

Help — Failure Time SS..., Load Latest..., Load Older...

File, Edit, Test, Monitor, Configure, Help, Quit

Channel Plan: Node: n001 Power: -2.00 Start: 24.00 Stop: 30.00 Ctr/Freq: 27.00 BW: 6.00 Kind: Dig/Burst Device: DigBurst Min C/N: 20.00

'Modem' Alarms
Critical: 2
% Advisory: 5%

Channel Percent Available - Trend Data

Time: 7/27/1999 9:58:17AM

7/27/1999 9:46:54AM 7/27/1999 9:49:48AM 7/27/1999 9:52:54AM 7/27/1999 9:55:42AM 7/27/1999 9:58:17AM

Time	Percent
7/27/1999 9:46:54AM	97
7/27/1999 9:49:48AM	91
7/27/1999 9:52:54AM	70
7/27/1999 9:55:42AM	67
7/27/1999 9:58:17AM	599
7/27/1999 9:58:17AM	596
7/27/1999 9:58:17AM	593
7/27/1999 9:58:17AM	589

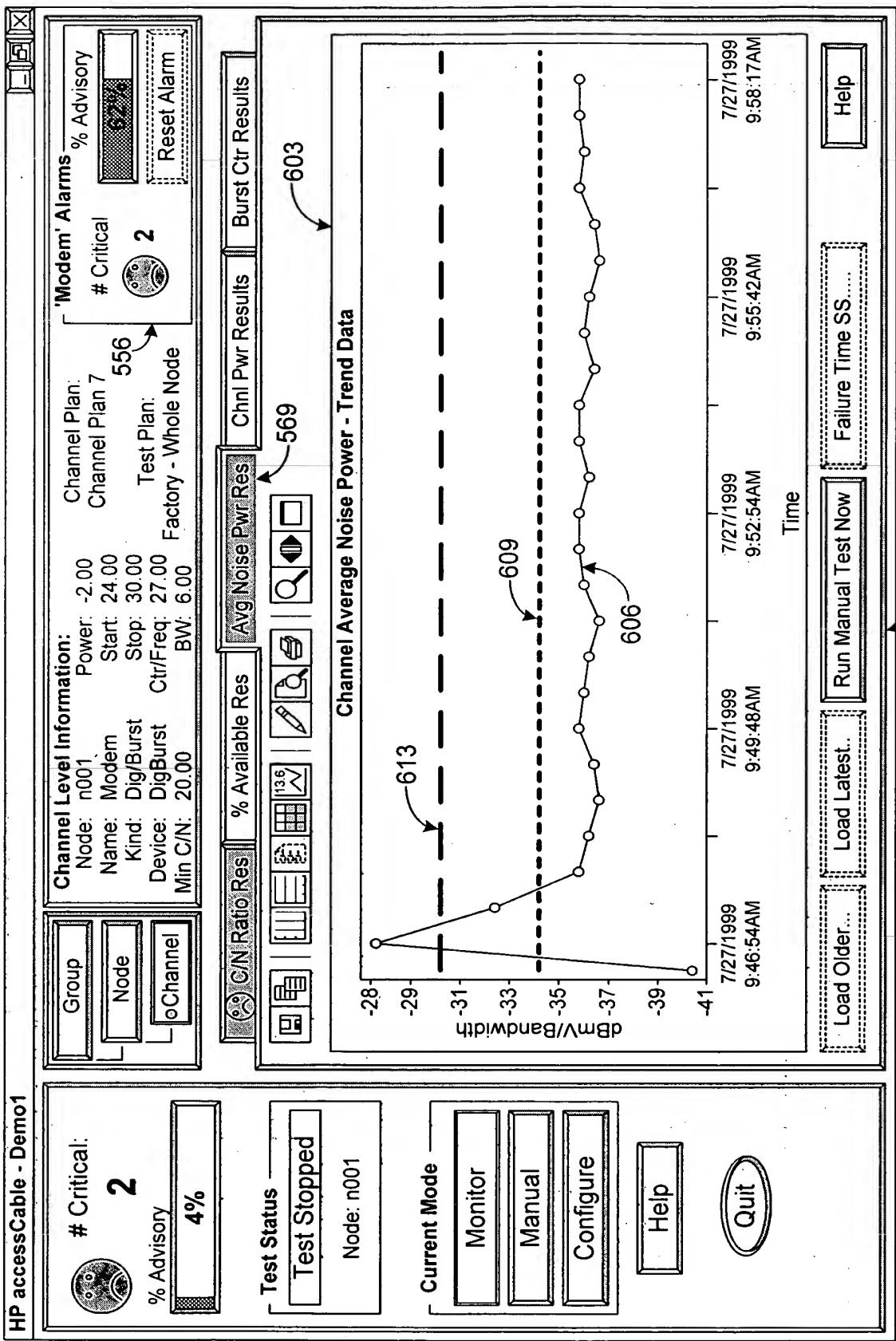
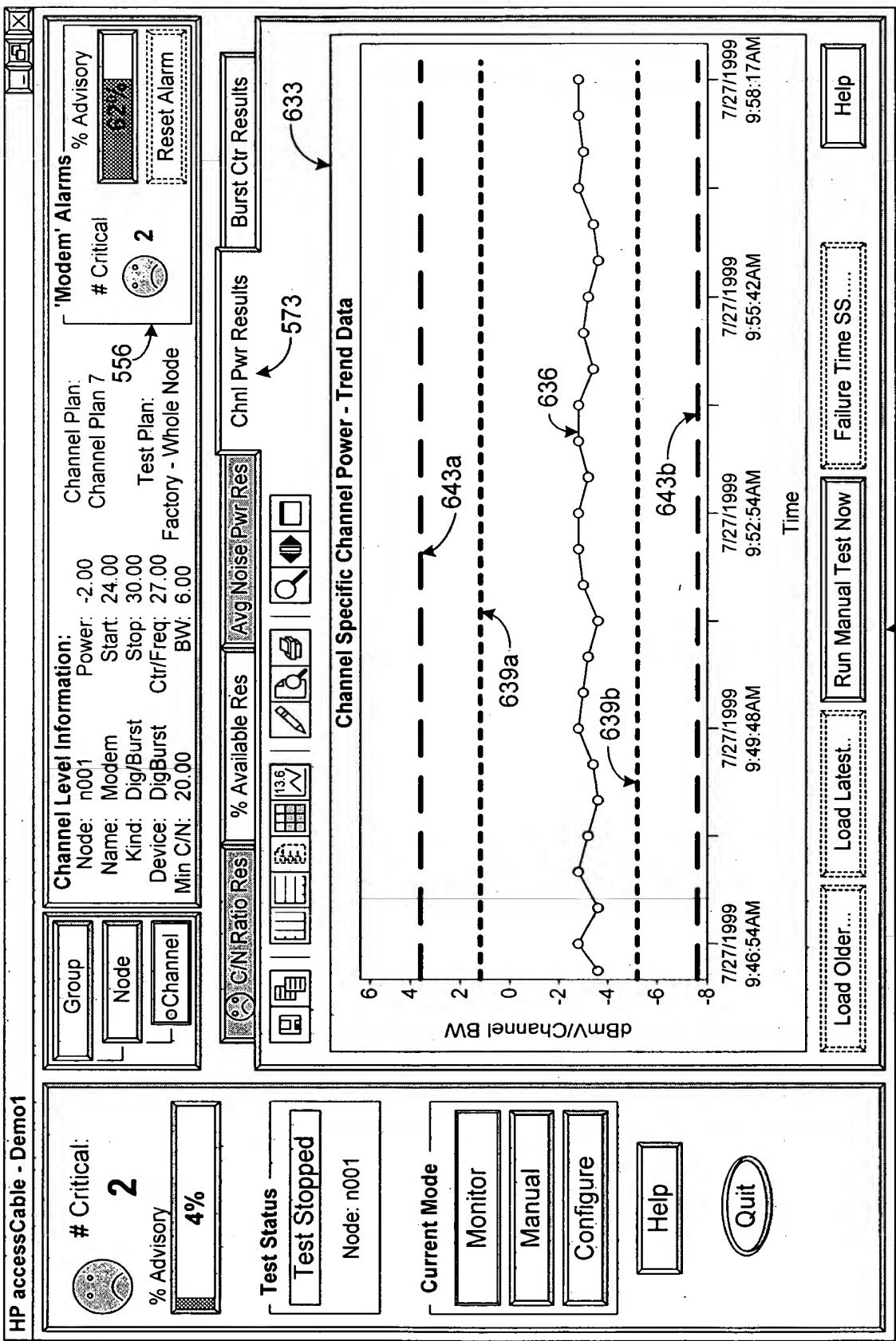


FIG. 11

550c →



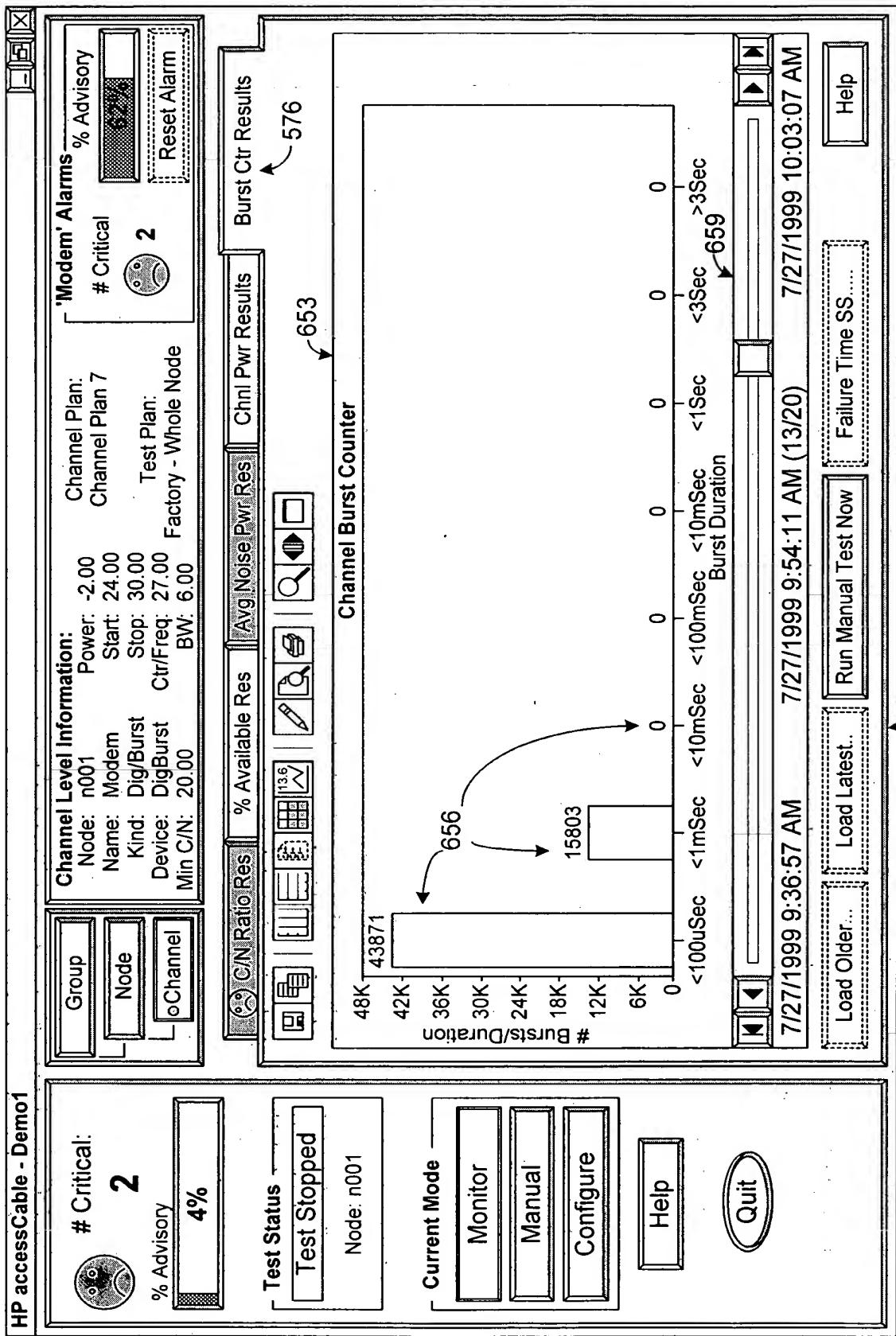


FIG. 11K

TEST CONFIGURATION GUI NAVIGATION

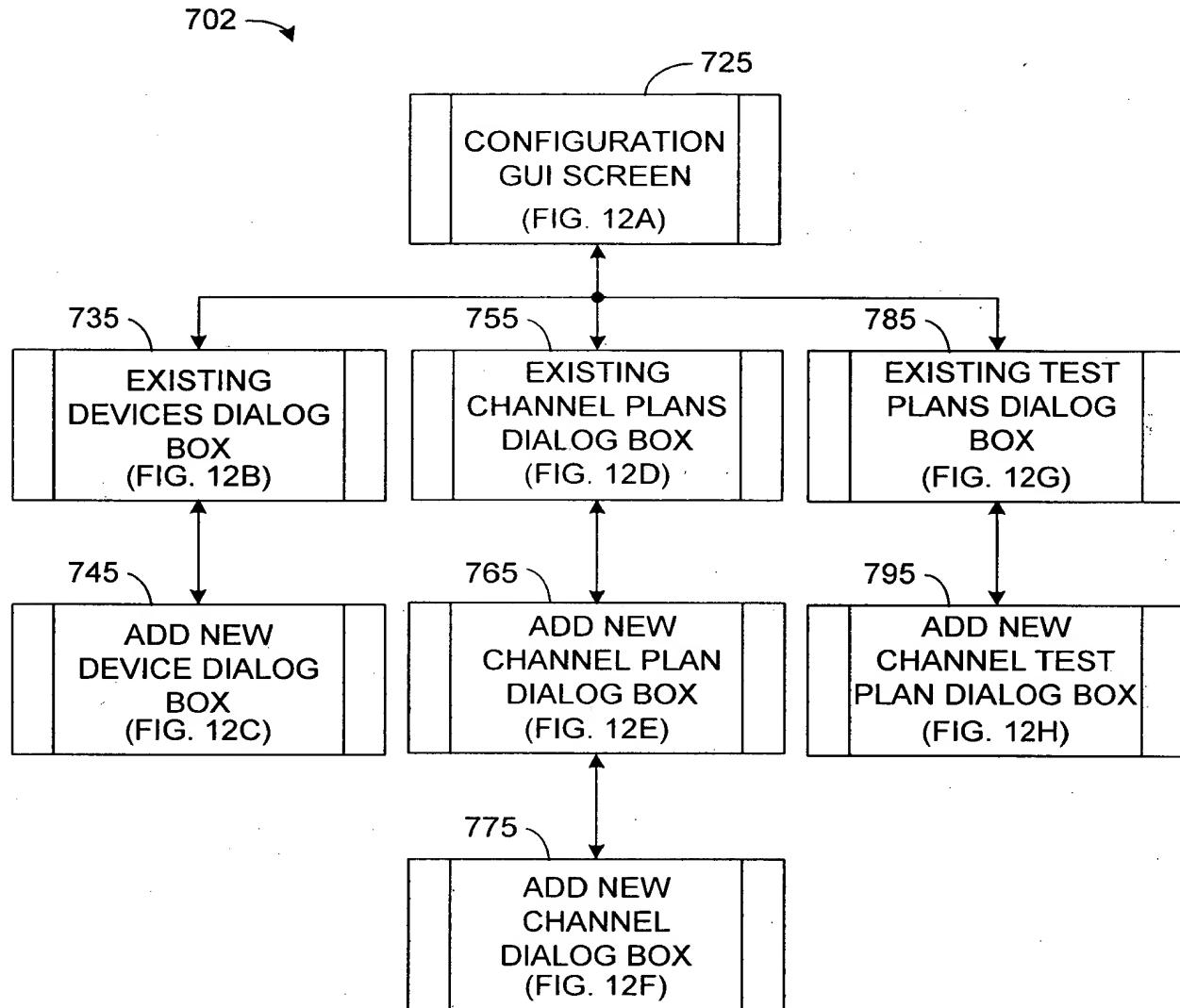


FIG. 12

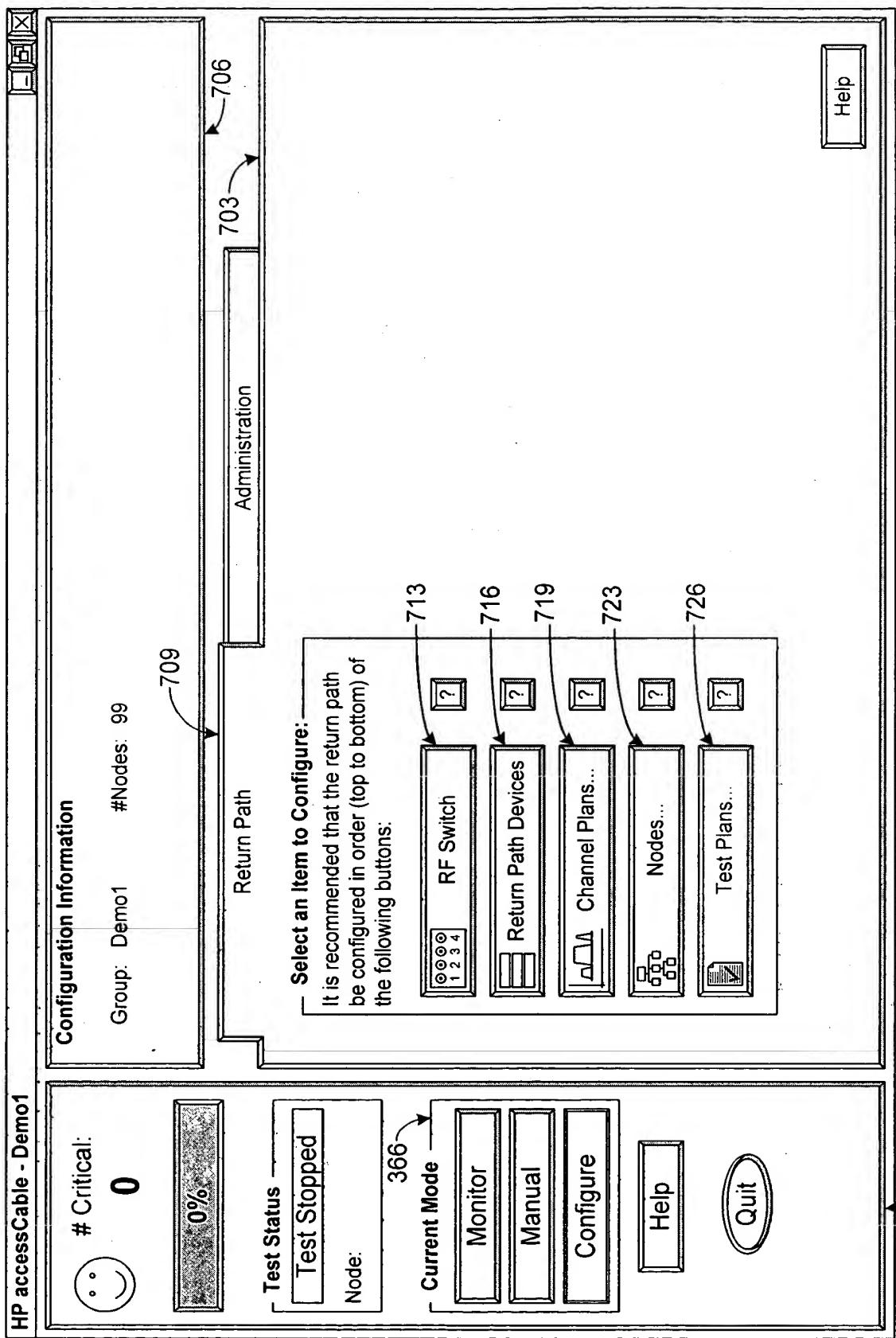


FIG. 12A

700 →

353

Help

HP accessCable - Demo1

Critical:
0
0%

Test Stopped
Node: 366

Current Mode
Monitor
Manual
Configure

Help
Quit



Configuration Information

Group: Demo1 #Nodes: 99

709

Return Path

Select an Item to Configure:

It is recommended that the return path be configured in order (top to bottom) of the following buttons:

713

RF Switch
1 2 3 4

716

Return Path Devices

719

Channel Plans...

723

Nodes...

726

Test Plans...

703

706

Administration

FIG. 12A

700 →

353

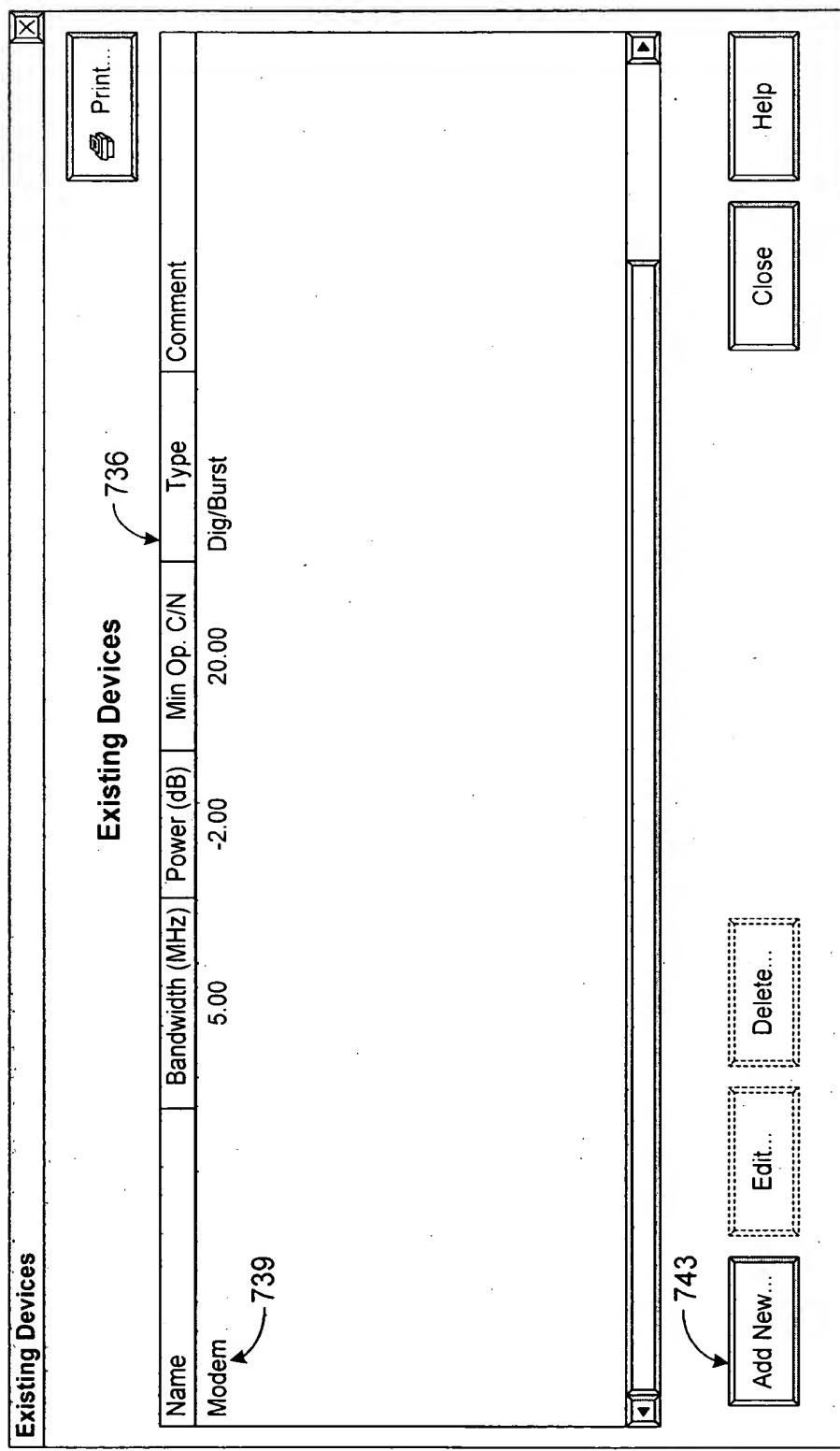


FIG. 12B

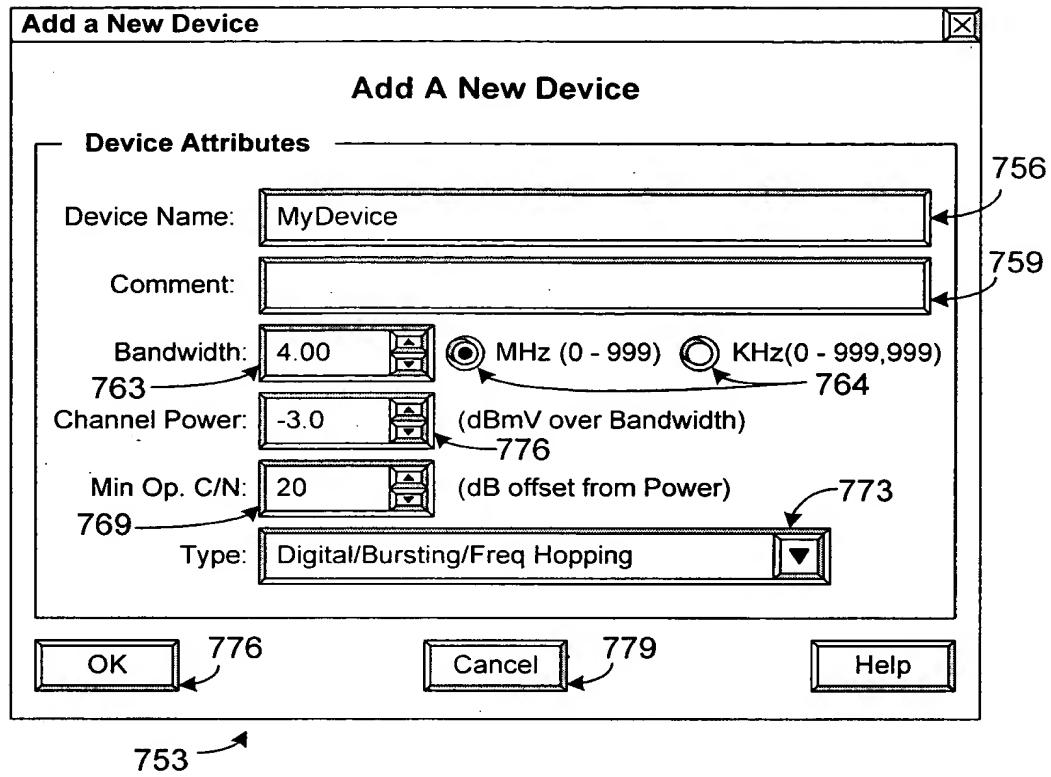


FIG. 12C

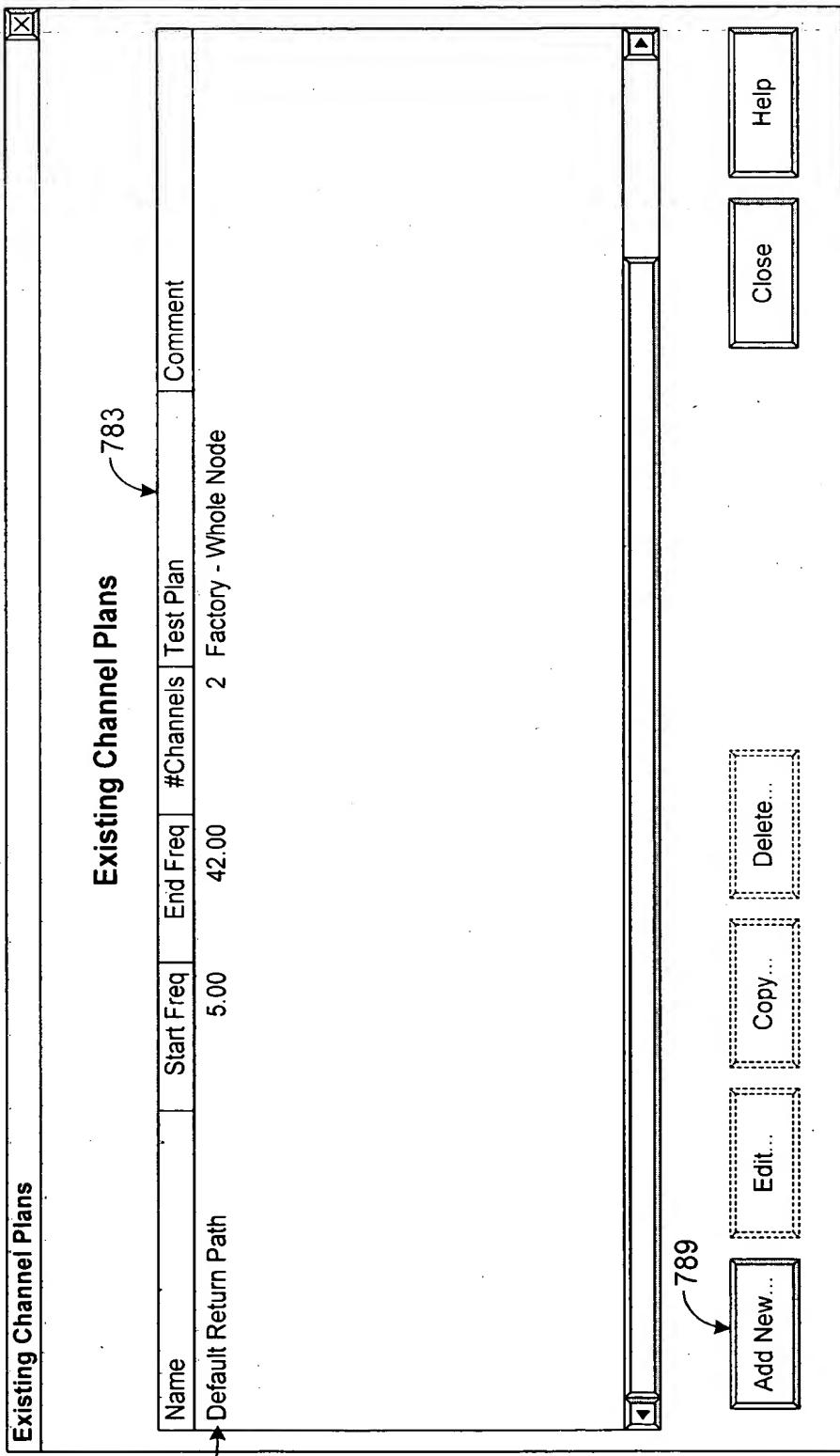


FIG. 12D

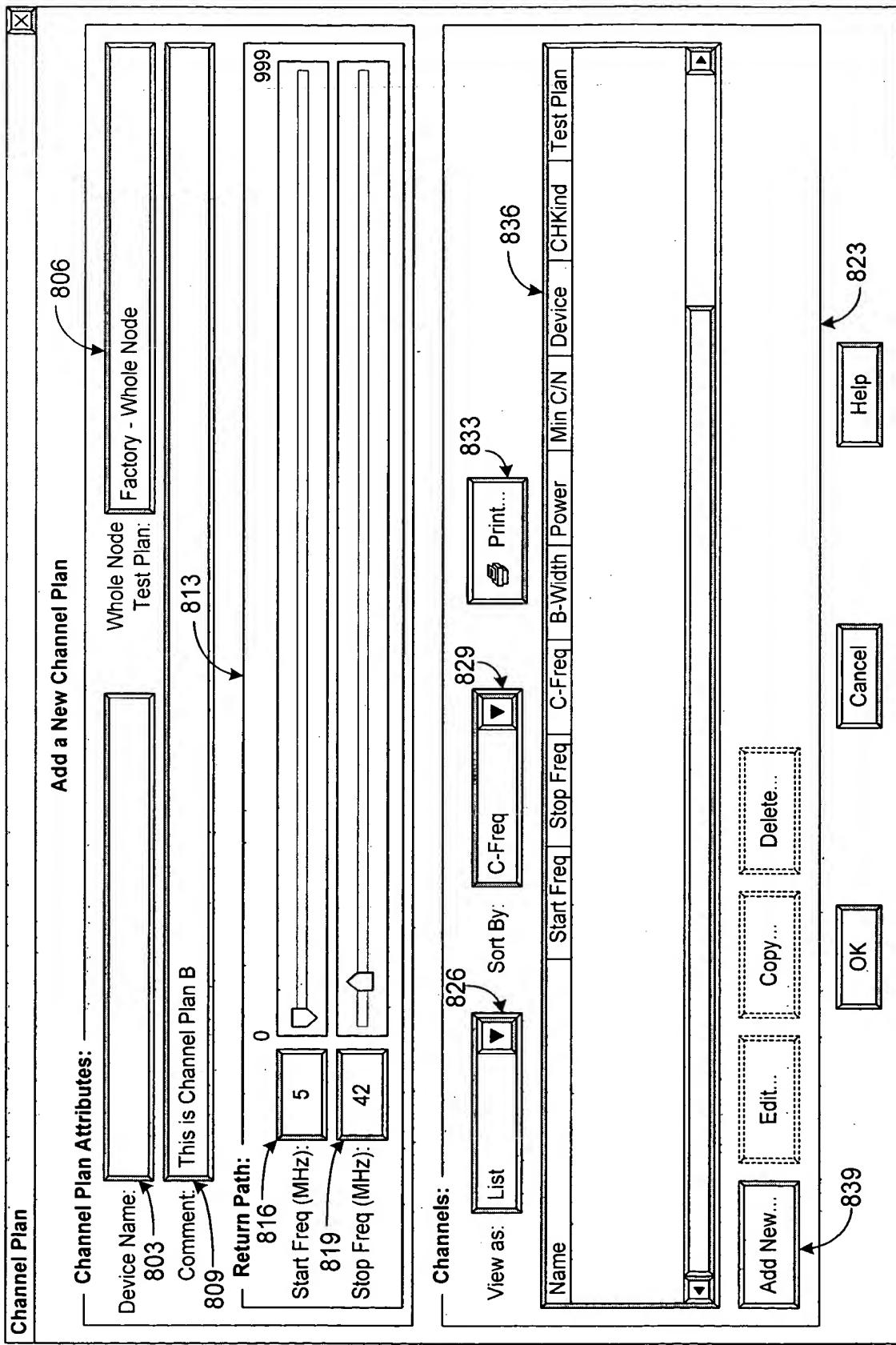
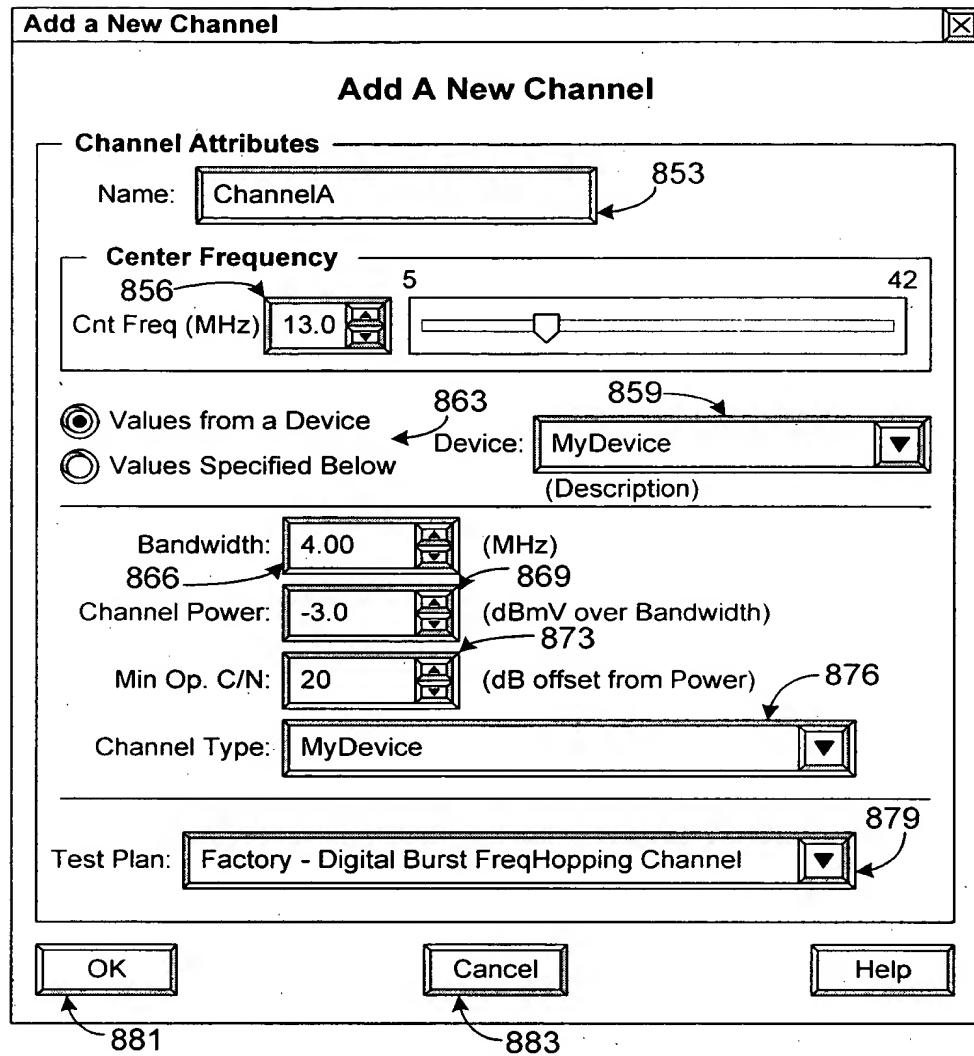


FIG. 12E

800



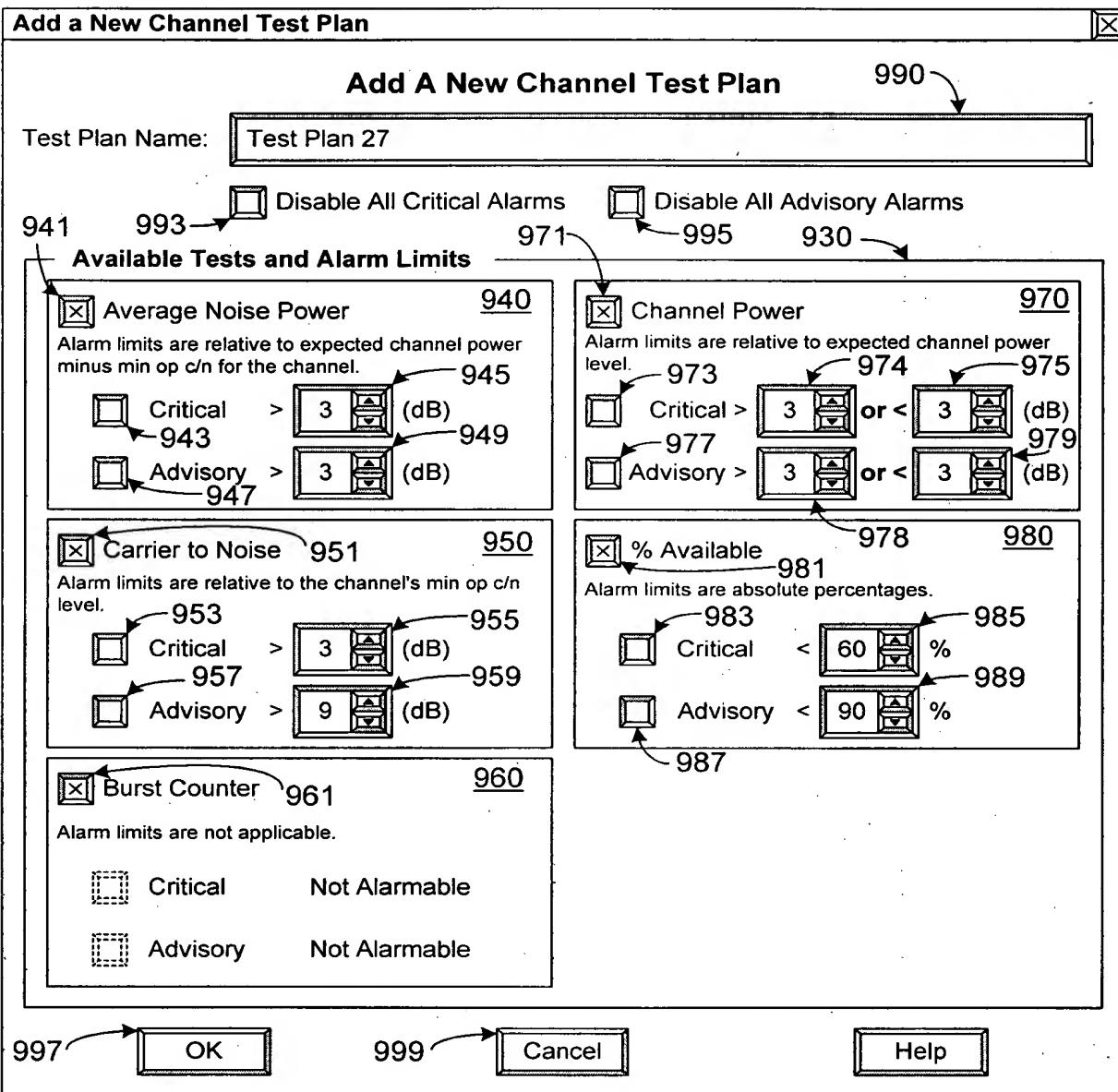


FIG. 12H